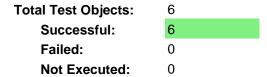
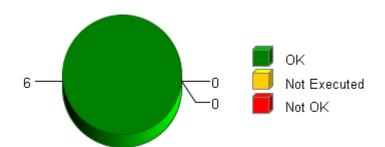


Summary

Overall Test Object Results (including Coverage)



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Selected Project Items

Test Object "CBD UnitTest/VehDyn/Autocenter f32"

Test Object "CBD_UnitTest/VehDyn/VehDyn_Init1"

Test Object "CBD_UnitTest/VehDyn/VehDyn_Per1"

Test Object "CBD_UnitTest/VehDyn/VehDyn_SCom_ForceCenter"

Test Object "CBD_UnitTest/VehDyn/VehDyn_SCom_ResetCenter"

Test Object "CBD UnitTest/VehDyn/VehDyn Trns1"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

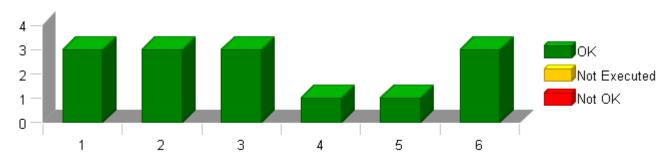
Check Interface: No
Generate Driver: No
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

Coverage: Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition /

Decision Coverage, Multiple Condition Coverage

Test Case Results for Each Test Object (without Coverage)

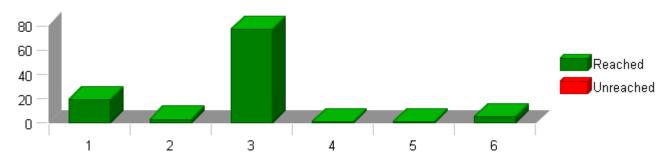


The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results



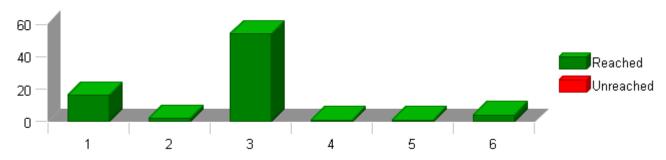
do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

Statement (C0) Coverage: Total Statements for Each Test Object



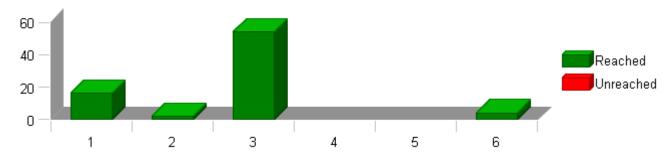
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

Branch (C1) Coverage: Total Branches for Each Test Object



The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

Decision Coverage: Total Decision Outcomes for Each Test Object

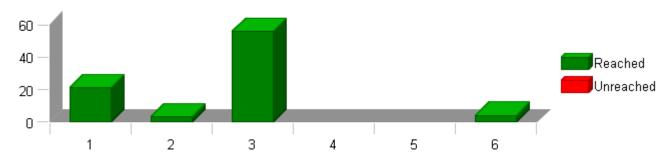


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



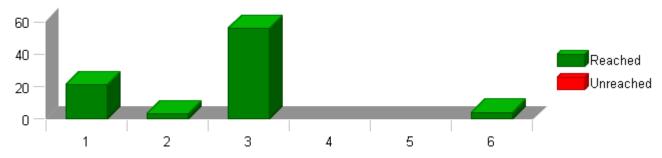
MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

TEST OVERVIEW REPORT

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Test Object List

Project VehDyn

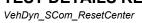
The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases Result
	VehDyn	100 %	100 %	100 %	100 %	100 %	14 of 14 passed
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	14 of 14 passed
	VehDyn	100 %	100 %	100 %	100 %	100 %	14 of 14 passed
1	Autocenter f32	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
2	VehDyn_Init1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
3	VehDyn_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
4	VehDyn SCom ForceCenter	100 %	100 %	-	-	-	1 of 1 passed
5	VehDyn SCom ResetCenter	100 %	100 %	-	-	-	1 of 1 passed
6	VehDyn_Trns1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed

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Project VehDyn

Module VehDyn

VehDyn_SCom_ResetCenter

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

Statistics

Test Object

Total Testcases	1	
Successful	1	✓
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\VehDyn	
Configuration File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml	
Target Environment	TI TMS 570 PLS UDE (Default)	
Kind of Test	Unit Test	
Linker Options		
Source File(s)		
File	\$(PROJECTROOT)\src\Ap_VehDyn.c	
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDeftinclude -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\utp\contract -I\$(PROJECTROOT)\utp\contract\Ap_VehDyn -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include	

Name	Text
Name Module 'VehDyn'	Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:8 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):2278
	Total CALS Used (Bytes):115 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference."

Attributes		
Name	Value	
Compiler Install Path	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>	
Float Precision	9	
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files</pre>	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	
Linker File	\$(InitObjDir)\sys_link.cmd	
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl	
Target Install Path	<pre>\$(ProgramFiles)\pls</pre>	
Time Unit	Cycles	
Timer Enabled	false	
Timer Prescale	0	
Timer Resolution	1	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg	

VehDyn_SCom_ResetCenter

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Workspace File

D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



VehDyn_SCom_ResetCenter

Test Case 1: Boundary Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

TS1.1 589.00 Cycles

Description Vector Description:

TS1.1Initialization

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn target_Rte_Inst_Ap_VehDyn			
target_Rte_Inst_Ap_VehDyn.Pim_MotPosReset	target_Pim_MotPosReset		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	✓
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

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VehDyn_Trns1



Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Trns1

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\VehDyn
Configuration File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\utp\contract -I\$(PROJECTROOT)\utp\contract\Ap_VehDyn -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

ame	Text
odule 'VehDyn'	**************************************
	Name of Tester:Spoorti Mali
	Code File(s) Under Test:Ap_VehDyn.c
	Code File(s) Version:8
	Module Design Document:VehDyn_MDD.docx
	Module Design Document Version:9
	Data Dictionary Version:10 Unit Test Plan Version:6
	Optimization Level:Level 2
	Compiler (CodeGen) Version:TMS470 4.9.5
	Model Type:Excel Macro
	Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32
	Total FLASH Used (Bytes):2278
	Total RAM Used (Bytes):201
	Total CALS Used (Bytes):115
	Special Test Requirements:
	Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	Comments. NOTE 1. Infine function destined in Globol Macron. Tale not unit tested. NOTE2: ""CBD Sandbox dbq.map" map file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(InitObjDir)\sys_link.cmd
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre>
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false

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Attributes	
Name	Value
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

TS1.1 588.00 Cycles Shortest Execution Path TS1.2 590.00 Cycles Longest Execution Path

Description Vector Description:

 $TS 1.1Shortest \ Execution \ Path=>(HandWheelAuth_Uls_T_f32>=k_SLPMinHwAuthToStoreHwPos_Uls_f32)=TRUE \\ TS 1.2Longest \ Execution \ Path=>(HandWheelAuth_Uls_T_f32>=k_SLPMinHwAuthToStoreHwPos_Uls_f32)=FALSE \\ TS 1.2Longest \ Execution \ Path=>(HandWheelAuth_Uls_T_f32)=FALSE \\ TS 1.2Longest \ Path=>(HandWheelAuth_Uls_T_f32)=FALSE \\$

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.291999996		
k_SysKinRatio_MtrDegpHwDeg_f32	71.3000031		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte Call Ap VehDyn NVM VehDynReset Srv WriteBlock	1	Rte Call Ap VehDyn NVM VehDynReset Srv WriteBlock	1	~

Test Step 1.2 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	100		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_h	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	Ap_VehDyn_2.Pim_MotPosReset target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~



Test Case 2: Boundary Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS2.1 534.00 Cycles
TS2.2 584.00 Cycles
TS2.2 584.00 Cycles
TS2.3 534.00 Cycles
TS2.3 534.00 Cycles
TS2.5 534.00 Cycles
TS2.6 534.00 Cycles
TS2.7 534.00 Cycles
TS2.7 534.00 Cycles
TS2.9 534.00 Cycles
TS2.10 534.00 Cycles
TS2.11 534.00 Cycles
TS2.11 534.00 Cycles
TS2.12 534.00 Cycles
TS2.13 580.00 Cycles
TS2.14 534.00 Cycles
TS2.15 534.00 Cycles
TS2.16 580.00 Cycles
TS2.17 580.00 Cycles
TS2.18 580.00 Cycles
TS2.19 580.00 Cycles
TS2.19 580.00 Cycles
TS2.19 580.00 Cycles
TS2.20 534.00 Cycles

Description

Vector Description:

TS 2.1All Min TS 2.2All Max

TS 2.3HandwheelPosition_HwDeg_f32 = Min TS 2.4HandwheelPosition_HwDeg_f32 = Max TS 2.5HandwheelPosition_HwDeg_f32 = Zero

TS 2.5HandwheelPosition_HwDeg_f32 = Zero
TS 2.6HandwheelPosition_HwDeg_f32 = Pos
TS 2.7HandwheelPosition_HwDeg_f32 = Neg
TS 2.8HwAuth_Uls_f32 = Min
TS 2.9HwAuth_Uls_f32 = Max
TS 2.10HwAuth_Uls_f32 = Pos
TS 2.11k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Min
TS 2.12k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Max
TS 2.13k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Pos
TS 2.14k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Default
TS 2.15MechMtrPos1_Rev_f32=Min

TS 2.14K_SLPMIIIHWAUIT I SIGIEHWPOS_0IS_132
TS 2.15MechMtrPos1_Rev_f32=Min
TS 2.16MechMtrPos1_Rev_f32=Max
TS 2.17k_SysKinRatio_MtrDegpHwDeg_f32=Min
TS 2.18k_SysKinRatio_MtrDegpHwDeg_f32=Max TS 2.19k_SysKinRatio_MtrDegpHwDeg_f32=Pos TS 2.20k_SysKinRatio_MtrDegpHwDeg_f32=Default

Test Step 2.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	1		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_H	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 target_VehDyn_Trns1_HwAuth_Uls_f32_2			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~



Test Step 2.2 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	100		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	Pim_MotPosReset target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.3 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.112000003		
k_SysKinRatio_MtrDegpHwDeg_f32	100		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.170000002		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte Call Ap VehDyn NVM VehDynReset Srv WriteBlock	1	Rte Call Ap VehDyn NVM VehDynReset Srv WriteBlock	1	~

Test Step 2.4 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.148000002		
k_SysKinRatio_MtrDegpHwDeg_f32	32.4000015		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_h	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.976800025		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.059999987		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1599.33337	1599.33337	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.5 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2

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Name	Input Value		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.184		
k_SysKinRatio_MtrDegpHwDeg_f32	45.7000008		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_h	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	0		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.966600001		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.109999999		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-0.866520762	-0.866520762	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.219999999		
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_	f32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1458.12		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.956399977		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.159999996		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1457.0592	1457.0592	~
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1	1	V

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte Call Ap VehDyn NVM VehDynReset Srv WriteBlock	1	Rte Call Ap VehDyn NVM VehDynReset Srv WriteBlock	1	~

Test Step 2.7 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.256000012		
k_SysKinRatio_MtrDegpHwDeg_f32	67.4000015		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_h	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-145.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.946200013		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.209999993		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-146.371658	-146.371658	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.8 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.291999996
k_SysKinRatio_MtrDegpHwDeg_f32	71.3000031
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2

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Name	Input Value		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.25999999		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.9 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.328000009		
k_SysKinRatio_MtrDegpHwDeg_f32	78.5999985		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-887.200012		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.310000002		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-888.619873	-888.619873	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.363999993		
k_SysKinRatio_MtrDegpHwDeg_f32	80.1999969		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_h	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	989.140015		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.915600002		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.360000014		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	987.524048	987.524048	-
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1	1	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.11 (Repeat Count = 1)	·
Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	83.5999985
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset

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Name	Input Value		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1014.15399		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.905399978		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.409999996		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1015.91956	-1015.91956	✓
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.12 (Repeat Count = 1)			~
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	88.5999985		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-245.100006		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.895200014		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.460000008		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.13 (Repeat Count = 1)			V
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.472000003		
k_SysKinRatio_MtrDegpHwDeg_f32	90.1999969		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	893.23999		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.88499999		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.50999999		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	895.195618	895.195679	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

	Test Step Call Trace				V
4	Actual Function	Count	Expected Function	Count	Result
1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	•



Test Step 2.14 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.100000001		
k_SysKinRatio_MtrDegpHwDeg_f32	78.5999985		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-887.200012		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.310000002		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-888.619873	-888.619873	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step 2.15 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.344999999		
k_SysKinRatio_MtrDegpHwDeg_f32	93.4000015		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target VehDyn Trns1 MechMtrPos1 Rev f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	389.399994		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.776000023		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	389.399994	389.399994	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	-

Test Step 2.16 (Repeat Count = 1)			V
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.467000008		
k_SysKinRatio_MtrDegpHwDeg_f32	95.4000015		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-876.5		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.563000023		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-876.5	-876.5	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	•

Test Step 2.17 (Repeat Count = 1)			~
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.233999997		
k_SysKinRatio_MtrDegpHwDeg_f32	1		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	290.600006		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.344999999		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.69999988		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	398.600006	398.600006	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~



Test Step 2.18 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.123000003		
k_SysKinRatio_MtrDegpHwDeg_f32	100		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	391.700012		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.234999999		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.800000012		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	392.420013	392.420013	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step 2.19 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.112000003		
k_SysKinRatio_MtrDegpHwDeg_f32	23.7000008		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target VehDyn Trns1 HwAuth Uls f32 2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target VehDyn Trns1 MechMtrPos1 Rev f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-658.900024		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.128000006		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.89999976		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-657.381042	-657.381042	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step 2.20 (Repeat Count = 1)			V
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.219999999		
k_SysKinRatio_MtrDegpHwDeg_f32	22		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_h	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1458.12		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.956399977		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.159999996		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1455.50183	1455.50183	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~



Test Case 3: Path Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS 3.1 585.00 Cycles TS 3.2 599.00 Cycles TS 3.3 580.00 Cycles

Description Vector Description:

 $TS 3.1(HandWheelAuth_Uls_T_f32 >= k_SLPMinHwAuthToStoreHwPos_Uls_f32) = True \&\& (MechMtrPos1_Rev_T_f32 > D_HALFREV_ULS_F32) = False \\ TS 3.2(MechMtrPos1_Rev_T_f32 > D_HALFREV_ULS_F32) = True \\ TS 3.3(HandWheelAuth_Uls_T_f32 >= k_SLPMinHwAuthToStoreHwPos_Uls_f32) = False \\ TS 3.3(HandWheelAuth_Uls_T_f32 > T_f32 > T_$

Test Step 3.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	1		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 3.2 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	100		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_I	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

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Test Step 3.3 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.291999996		
k_SysKinRatio_MtrDegpHwDeg_f32	71.3000031		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_H	HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f3	32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	~
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	~

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VehDyn_Init1



Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Init1

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\VehDyn
Configuration File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\u00e1nclude -I\$(PROJECTROOT)\\nxtrLib\u00e1

ame	Text
odule 'VehDyn'	**************************************
	Name of Tester:Spoorti Mali
	Code File(s) Under Test:Ap_VehDyn.c
	Code File(s) Version:8
	Module Design Document:VehDyn_MDD.docx
	Module Design Document Version:9
	Data Dictionary Version:10 Unit Test Plan Version:6
	Optimization Level:Level 2
	Compiler (CodeGen) Version:TMS470 4.9.5
	Model Type:Excel Macro
	Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32
	Total FLASH Used (Bytes):2278
	Total RAM Used (Bytes):201
	Total CALS Used (Bytes):115
	Special Test Requirements:
	Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	Comments. NOTE 1. Infine function destined in Globol Macron. Tale not unit tested. NOTE2: ""CBD Sandbox dbq.map" map file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files</pre>
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(InitObjDir)\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false

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VehDyn_Init1



Attributes	
Name	Value
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles: TS1.1 3995.00 Cycles Shortest Execution Path TS1.2 4064.00 Cycles Longest Execution Path

Description Vector Description:

 $TS1.1Shortest\ Execution\ Path=>(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE)\ \&\ (((FaultBFActive_Cnt_T_lgc\ \&\ LSLPEnableBFCheck_Cnt_lgc) == FALSE)))=FALSE \\ TS1.2Longest\ Execution\ Path=>(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE)\ \&\ (((FaultBFActive_Cnt_T_lgc\ \&\ LSLPEnableBFCheck_Cnt_lgc) == FALSE)))=TRUE$

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	ntTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDi	agMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	16.8675175		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00779999979		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	511.249969		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.49991417		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	119.398392		
k_AutoCntrHiSpdTimer1_mS_u16	19956		
k_AutoCntrHiSpdTimer2_mS_u16	1111		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.1357269		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	577.715271		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.6059322		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	69.9332428		
k_AutoCntrHiSpdTimer4_mS_u16	47307		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	97.2305069		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0649999976		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.4742603		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	113.628799		
k_AutoCntrLoSpdTimer1_mS_u16	49475		
k_AutoCntrLoSpdTimer2_mS_u16	38708		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.00120000006		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428	69.9332428 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307	47307 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	511.249969	511.249969 ± 0.2	-
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	119.398392	119.398392 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.49991417	2.49991417 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	16.8675175	16.8675175 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1111	1111 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272	1720406272	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272	1720406272	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	113.628799	113.628799 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.4742603	16.4742603 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.2305069	97.2305069 ± 0.0625	-





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	49475	49475 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	38708	38708 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1720406272	1720406272	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.00120000006	0.00120000006	•
VehDyn_SLPHwPos_HwDeg_M_f32	1425.14795	1425.14795	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 1.2 (Repeat Count = 1)		✓
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k AutoCntrHiSpdCntrWindow HwDeg f32	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.100000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	700	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrHiSpdTimer1_mS_u16	60000	
k_AutoCntrHiSpdTimer2_mS_u16	60000	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	255	
k_AutoCntrHiSpdTimer4_mS_u16	60000	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.100000001	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrLoSpdTimer1_mS_u16	60000	
k_AutoCntrLoSpdTimer2_mS_u16	60000	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	1	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295	
Name	Actual Value Expected Value	
	Actual value Lipected value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700 700 ± 0.2	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	·	~
	700 700 ± 0.2	Ž
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	700 700 ± 0.2 255 255 ± 0.5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2 4294967295 4294967295	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2 4294967295 4294967295 4294967295 4294967295	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	

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VehDyn_Init1

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

VehDyn_Init1

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Test Case 2: Boundary Test

2015-09-15, 12:53:19+0530

VehDyn_Init1



Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS2.1 4053.00 Cycles TS2.2 3974.00 Cycles TS2.3 3945.00 Cycles TS2.4 3945.00 Cycles TS2.5 3945.00 Cycles TS2.6 3945.00 Cycles TS2.7 3945.00 Cycles TS2.8 3945.00 Cycles TS2.9 3945.00 Cycles TS2.10 3945.00 Cycles TS2.11 3945.00 Cycles TS2.12 3945.00 Cycles TS2.12 3945.00 Cycles TS2.13 3945.00 Cycles TS2.14 3945.00 Cycles TS2.15 3945.00 Cycles TS2.16 3945.00 Cycles TS2.17 3945.00 Cycles TS2.18 3945.00 Cycles TS2.19 3945.00 Cycles TS2.20 3945.00 Cycles TS2.20 3945.00 Cycles
TS2.21 3945.00 Cycles
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TS2.26 3945.00 Cycles
TS2.27 3945.00 Cycles
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TS2.30 3945.00 Cycles
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TS2.32 3945.00 Cycles
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TS2.34 3945.00 Cycles TS2.33 3945.00 Cycles TS2.34 3945.00 Cycles TS2.35 3945.00 Cycles TS2.36 3945.00 Cycles TS2.37 3945.00 Cycles TS2.38 3945.00 Cycles TS2.39 3945.00 Cycles TS2.39 3945.00 Cycles TS2.40 3945.00 Cycles TS2.40 3945.00 Cycles TS2.41 3945.00 Cycles TS2.42 3945.00 Cycles TS2.43 3945.00 Cycles TS2.44 3945.00 Cycles TS2.45 3945.00 Cycles TS2.46 3945.00 Cycles TS2.47 3945.00 Cycles TS2.48 3945.00 Cycles TS2.49 3945.00 Cycles TS2.50 3945.00 Cycles TS2.51 3945.00 Cycles TS2.52 3945.00 Cycles TS2.53 3945.00 Cycles TS2.53 3945.00 Cycles TS2.53 3945.00 Cycles TS2.53 3945.00 Cycles TS2.52 3945.00 Cycles TS2.53 3945.00 Cycles TS2.55 3945.00 Cycles TS2.55 3945.00 Cycles TS2.56 3945.00 Cycles TS2.57 3945.00 Cycles TS2.59 3945.00 Cycles TS2.59 3945.00 Cycles TS2.60 3945.00 Cycles TS2.61 3945.00 Cycles TS2.62 3945.00 Cycles TS2.63 3945.00 Cycles TS2.64 3945.00 Cycles TS2.65 3945.00 Cycles TS2.66 3945.00 Cycles TS2.67 3945.00 Cycles TS2.68 3945.00 Cycles TS2.69 3945.00 Cycles TS2.70 3945.00 Cycles TS2.71 3945.00 Cycles TS2.72 3945.00 Cycles TS2.72 3945.00 Cycles TS2.73 3945.00 Cycles TS2.74 3945.00 Cycles TS2.75 3945.00 Cycles TS2.76 3945.00 Cycles TS2.77 3945.00 Cycles TS2.78 3945.00 Cycles TS2.79 3945.00 Cycles TS2.80 3945.00 Cycles TS2.81 3945.00 Cycles TS2.82 3945.00 Cycles TS2.83 3945.00 Cycles TS2.83 3945.00 Cycles TS2.84 3945.00 Cycles TS2.85 3945.00 Cycles TS2.86 3945.00 Cycles TS2.87 3945.00 Cycles TS2.88 3945.00 Cycles TS2.89 3945.00 Cycles TS2.90 3945.00 Cycles TS2.91 3945.00 Cycles TS2.92 3945.00 Cycles TS2.93 3945.00 Cycles TS2.94 3945.00 Cycles TS2.95 3945.00 Cycles TS2.96 3945.00 Cycles TS2.97 3945.00 Cycles TS2.98 3945.00 Cycles TS2.99 3945.00 Cycles

TS2.100 3945.00 Cycles





Description Vector Description:

TS 2.1All Min TS 2.2All Max TS 2.3k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Min TS 2.4k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Max TS 2.5k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Pos TS 2.6k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Default TS 2.7k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Min TS 2.8k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Max TS 2.8k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Max
TS 2.9k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Pos
TS 2.10k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Default
TS 2.10k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Max
TS 2.11k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Max
TS 2.12k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Pos
TS 2.14k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Default
TS 2.15k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Default
TS 2.15k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Max
TS 2.16k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Pos
TS 2.17k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Pos
TS 2.18k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Default
TS 2.18k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Default
TS 2.18k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Default
TS 2.19k_AutoCntrLoSpdTimer1_mS_u16==>Min TS 2.10k_AutoCntrLoSpdTimer1_mS_u16==>Min
TS 2.19k_AutoCntrLoSpdTimer1_mS_u16==>Max
TS 2.20k_AutoCntrLoSpdTimer1_mS_u16==>Pos/Default
TS 2.22k_AutoCntrLoSpdTimer2_mS_u16==>Pos/Default
TS 2.22k_AutoCntrLoSpdTimer2_mS_u16==>Min
TS 2.23k_AutoCntrLoSpdTimer2_mS_u16==>Pos/Default
TS 2.24k_AutoCntrLoSpdTimer2_mS_u16==>Pos/Default TS 2.25k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Min TS 2.26k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Max TS 2.27k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Pos TS 2.28k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Min TS 2.29k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Max
TS 2.30k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Pos/Default
TS 2.31k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Min TS 2.32k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Max
TS 2.33k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Pos TS 2.34k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Deafult TS 2.35k AutoCntrHiSpdTimer4VehSpd_kph_f32==>Min TS 2.36k AutoCntrHiSpdTimer4VehSpd_kph_f32==>Max TS 2.37k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Pos TS 2.38k AutoCntrHiSpdTimer4VehSpd_kph_f32==>Default TS 2.39k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Min TS 2.40k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Max TS 2.41k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Pos TS 2.42k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Default TS 2.43k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Min TS 2.44k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Max TS 2.45k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Pos TS 2.46k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Default TS 2.47k_AutoCntrHiSpdTimer1_mS_u16==>Min TS 2.48k_AutoCntrHiSpdTimer1_mS_u16==>Max
TS 2.49k_AutoCntrHiSpdTimer1_mS_u16==>Pos/Default
TS 2.50k_AutoCntrHiSpdTimer4_mS_u16==>Min TS 2.51k_AutoCntrHiSpdTimer4_mS_u16==>Max TS 2.52k_AutoCntrHiSpdTimer4_mS_u16==>Pos/Default TS 2.53k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32==>Min TS 2.54k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Max
TS 2.55k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Pos
TS 2.56k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Default TS 2.57k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Min TS 2.58k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Min TS 2.59k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Pos TS 2.60k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Deafult TS 2.61k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Min TS 2.62k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Max TS 2.63k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Pos TS 2.64k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Deafult TS 2.65k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Min TS 2.66k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Max TS 2.67k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Pos TS 2.68k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Default TS 2.69k_AutoCntrHiSpdTimer2_mS_u16==>Min TS 2.70k_AutoCntrHiSpdTimer2_mS_u16==>Max TS 2.71k_AutoCntrHiSpdTimer2_mS_u16==>Pos/Default TS 2.72k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min TS 2.73k, AutoCntrHiSpdFilt1Kn, Hz_f32==>Max
TS 2.74k, AutoCntrHiSpdFilt1Kn, Hz_f32==>Pos/Default
TS 2.75k, AutoCntrHiSpdFilt2Kn, Hz_f32==>Min TS 2.76k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Max TS 2.77k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Pos TS 2.78k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Min TS 2.78k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Min
TS 2.79k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Max
TS 2.80k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Pos
TS 2.81VehDyn_PinTrqSV_M_Str.K==>Min
TS 2.82VehDyn_PinTrqSV_M_Str.K==>Max
TS 2.83VehDyn_PinTrqSV_M_Str.K==>Pos
TS 2.84Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Min
TS 2.85Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Max
TS 2.85Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Max TS 2.86Ke_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_igc = Ma TS 2.86K_SLPEnableBFCheck_Cnt_igc = Min TS 2.87K_SLPEnableBFCheck_Cnt_igc = Max TS 2.88K_SLPHwAuthority_Uls_f32 = Min TS 2.89K_SLPHwAuthority_Uls_f32 = Max TS 2.90K_SLPHwAuthority_Uls_f32 = Pos/Default TS 2.91Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Min TS 2.92Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Max TS 2.93Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Zero TS 2.94Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Pos



TS 2.95Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Neg
TS 2.96k_AutoCntrHiSpdTimer2_mS_u16==>Pos
TS 2.97k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min
TS 2.98k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Max
TS 2.99Rte_Call_NxtrDiagMgr_GetNTCActive=Min
TS 2.100 Rte_Call_NxtrDiagMgr_GetNTCActive=Max

Test Step 2.1 (Repeat Count = 1) Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000199999995	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	0	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	0	
k_AutoCntrHiSpdTimer1_mS_u16	0	
k_AutoCntrHiSpdTimer2_mS_u16	0	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	0	
k_AutoCntrHiSpdTimer4_mS_u16	0	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00019999995	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.000199999995	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	0	
k AutoCntrLoSpdTimer1VehSpd kph f32	0	
k AutoCntrLoSpdTimer1 mS u16	0	
k_AutoCntrLoSpdTimer2_mS_u16	0	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00019999995	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	
	0	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	0	
tgt_GetSystemTime_mS_u32_CurrentTime Name	Actual Value Expected Value	Resu
Name	Actual Value Expected Value 0 0 ± 0.2	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	Actual Value Expected Value	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	Actual Value Expected Value 0 0 ± 0.2	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 0 0	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2 0 0 ± 0.2 0 0 ± 0.5	3
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04	3
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625	3 3 3
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2	3
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2	
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Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 0.0625 0 0 ± 0.5 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2	
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Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 0.0625 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.5 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ±	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelH	Actual Value Expected Value 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.04 0 0 ± 0.04 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 0.04 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 2 0 0 ± 0.2 0 0 ± 0.2 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.5 0 0 ± 0.2 0 0 ± 0.2 0 0 ± 0.2<	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.2 (Repeat Count = 1) Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTin	ma	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	Igi_Gettv1 CACtive_Iv1 CACtive_F ti_1_igc	
k AutoCntrHiSpdCntrWindow HwDeg f32	100		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.100000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	700		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20		
k AutoCntrHiSpdTimer1VehSpd kph f32	255		
- : : : : : : : : : : : : : : : : : : :	60000		
k_AutoCntrHiSpdTimer1_mS_u16	60000		
k_AutoCntrHiSpdTimer2_mS_u16			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	100		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	255		
k_AutoCntrHiSpdTimer4_mS_u16	60000		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	100		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.100000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255		
k_AutoCntrLoSpdTimer1_mS_u16	60000		
k_AutoCntrLoSpdTimer2_mS_u16	60000		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295		
Name	Actual Value	Expected Value	Res
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	
		60000 ± 2	
VEHIDYH AULUCHLIDELOPU IVI SULTINIELL IIIO UOZ	4294967295	4294967295	
	4294967295 4294967295		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32		4294967295	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4294967295	4294967295 4294967295 0.00125584786 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	4294967295 0.00125586987 0.00125586987	4294967295 4294967295 0.00125584786 ± 1.25663627181805E-06 0.00125584786 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	4294967295 0.00125586987 0.00125586987 700	4294967295 4294967295 0.00125584786 ± 1.25663627181805E-06 0.00125584786 ± 1.25663627181805E-06 700 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	4294967295 0.00125586987 0.00125586987 700 255	4294967295 4294967295 0.00125584786 ± 1.25663627181805E-06 0.00125584786 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4294967295 0.00125586987 0.00125586987 700 255 20	4294967295 4294967295 $0.00125584786 \pm 1.25663627181805E-06$ $0.00125584786 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	4294967295 0.00125586987 0.00125586987 700 255 20 100	4294967295 4294967295 $0.00125584786 \pm 1.25663627181805E-06$ $0.00125584786 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4294967295 0.00125586987 0.00125586987 700 255 20 100 60000	4294967295 4294967295 $0.00125584786 \pm 1.25663627181805E-06$ $0.00125584786 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000	4294967295 4294967295 $0.00125584786 \pm 1.25663627181805E-06$ $0.00125584786 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2	
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u5 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u5 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u5 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u5 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u5 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u5 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20 100 60000 60000 60000 60000 60000 60000 60000 60000 60000	$\begin{array}{c} 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 60000 \pm 2 \\ 60000 \pm 2 \\ 60000 \pm 2 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20 100 60000 4294967295 0.00125586987 700 255 20 100 60000 60000 60000 4294967295	$\begin{array}{c} 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20 100 60000 40000 40000 40000 40000 40000 40000 4294967295 4294967295 4294967295	$\begin{array}{c} 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ 42$	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WhVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20 100 60000 4294967295 0.00125586987 700 255 20 100 60000 60000 60000 4294967295	$\begin{array}{c} 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ 4294967295 \\ 0.00125584786 \pm 1.25663627181805E-06 \\ 700 \pm 0.2 \\ 255 \pm 0.5 \\ 20 \pm 0.04 \\ 100 \pm 0.0625 \\ 60000 \pm 2 \\ 4294967295 \\ \end{array}$	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn SLPHwPos HwDeg M f32	0	0	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTin	ma	
, = = \ ,			
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMe	gr_Getin1CActive_N1CActive_Ptr_1_igc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2 16.8675175		
AutoCntrHiSpdCntrWindow_HwDeg_f32 AutoCntrHiSpdCitt4(cn_Hz_62)			
X_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
C_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00779999979		
_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	511.249969		
_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.49991417		
_AutoCntrHiSpdTimer1VehSpd_kph_f32	119.398392		
_AutoCntrHiSpdTimer1_mS_u16	19956		
x_AutoCntrHiSpdTimer2_mS_u16	1111		
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.1357269		
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	577.715271		
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.6059322		
_AutoCntrHiSpdTimer4VehSpd_kph_f32	69.9332428		
_AutoCntrHiSpdTimer4_mS_u16	47307		
x_AutoCntrLoSpdCntrWindow_HwDeg_f32	97.2305069		
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001		
x_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0649999976		
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0		
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.4742603		
_AutoCntrLoSpdTimer1VehSpd_kph_f32	113.628799		
_AutoCntrLoSpdTimer1_mS_u16	49475		
_AutoCntrLoSpdTimer2_mS_u16	38708		
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
_SLPEnableBFCheck_Cnt_lgc	0		
S_SLPHwAuthority_Uls_f32	0.00120000006		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795		
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Ig	0		
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
	1720406272		
gt_GetSystemTime_mS_u32_CurrentTime	1720406272 Actual Value	Expected Value	Re
gt_GetSystemTime_mS_u32_CurrentTime		Expected Value 577.715271 ± 0.2	Re
gt_GetSystemTime_mS_u32_CurrentTime lame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	Actual Value	· ·	Re
gt_GetSystemTime_mS_u32_CurrentTime Name /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	Actual Value 577.715271	577.715271 ± 0.2	Re
gt_GetSystemTime_mS_u32_CurrentTime lame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	Actual Value 577.715271 69.9332428	577.715271 ± 0.2 69.9332428 ± 0.5	Re
gt_GetSystemTime_mS_u32_CurrentTime lame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	Actual Value 577.715271 69.9332428 18.6059322	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04	Re
gt_GetSystemTime_mS_u32_CurrentTime lame	Actual Value 577.715271 69.9332428 18.6059322 47.1357269	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625	Re
gt_GetSystemTime_mS_u32_CurrentTime Valuate	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2	Re
gt_GetSystemTime_mS_u32_CurrentTime Value	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2	Re
gt_GetSystemTime_mS_u32_CurrentTime Comparison	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272	Re
gt_GetSystemTime_mS_u32_CurrentTime Value VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272	Re
gt_GetSystemTime_mS_u32_CurrentTime Value	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06	Re
gt_GetSystemTime_mS_u32_CurrentTime Value VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424 511.249969	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2	Re
date lame leh Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 leh Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 leh Dyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 leh Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 leh Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 leh Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 leh Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 leh Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 leh Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 leh Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 leh Dyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 leh Dyn_AutoCntrHiSpd_M_str.Veh Spd_kph_f32	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06	Re
datame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424 511.249969 119.398392 2.49991417	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04	Re
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date GetSystemTime_mS_u32_CurrentTime lame /ehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NerVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272	Re
dame VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.0008164644424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 1720406272 6.28232956e-005	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.28298803e-005 ± 1.25663627181805E-06	Re
Idame Id	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.00816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 1720406272 6.28232956e-005 9.7990036e-005	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.28298803e-005 ± 1.25663627181805E-06 9.80128898e-005 ± 1.25663627181805E-06	Re
date lame lehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 lehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 lehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 lehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 lehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 lehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 lehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u20 lehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 lehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 lehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 lehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 lehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 lehDyn_AutoCntrHiSpd_M_str.Timer2_mS	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424 511.24999 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.28298803e-005 ± 1.25663627181805E-06 9.80128898e-005 ± 1.25663627181805E-06 0 ± 0.2	Re
Agric GetSystemTime_mS_u32_CurrentTime Valume VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.PiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.00081646424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.00043976253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.28298803e-005 ± 1.25663627181805E-06 9.80128898e-005 ± 1.25663627181805E-06 0 ± 0.2 113.628799 ± 0.5	Re
Vame VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.PittPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424 511.24969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799 16.4742603	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.000439726253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 1720406272 6.28298803e-005 ± 1.25663627181805E-06 9.80128898e-005 ± 1.25663627181805E-06 0 ± 0.2 113.628799 ± 0.5 16.4742603 ± 0.04	Re
yd_GetSystemTime_mS_u32_CurrentTime Vame	Actual Value 577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.00081646424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04 47.1357269 ± 0.0625 19956 ± 2 47307 ± 2 1720406272 1720406272 0.00043976253 ± 1.25663627181805E-06 0.000816480606 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.28298803e-005 ± 1.25663627181805E-06 9.80128898e-005 ± 1.25663627181805E-06 0 ± 0.2 113.628799 ± 0.5	Re





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1720406272	1720406272	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1720406272	1720406272	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.00120000006	0.00120000006	•
VehDyn_SLPHwPos_HwDeg_M_f32	1425.14795	1425.14795	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-

Test Step 2.4 (Repeat Count = 1) Name	Input Value	
	•	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
<_AutoCntrHiSpdCntrWindow_HwDeg_f32	95.4768982	
<_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961	
<_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0089999961	
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	202.264374	
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.9387646	
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	125.628113	
<_AutoCntrHiSpdTimer1_mS_u16	27095	
<_AutoCntrHiSpdTimer2_mS_u16	2222	
<_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	45.5802307	
<_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	107.436508	
<a autocntrhispdtimer4pintrq_hwnm_f32<="" p="">	10.2259359	
<_AutoCntrHiSpdTimer4VehSpd_kph_f32	172.71106	
<_AutoCntrHiSpdTimer4_mS_u16	28327	
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	94.2382813	
c_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0560000017	
C_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012	
C_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700	
C_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	1.05551898	
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	69.8743896	
<_AutoCntrLoSpdTimer1_mS_u16	43128	
<_AutoCntrLoSpdTimer2_mS_u16	58869	
C_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961	
<pre>x_SLPEnableBFCheck_Cnt_lgc</pre>	1	
CSLPHwAuthority_Uls_f32	0.00779999979	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1401.11499	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
gt_GetSystemTime_mS_u32_CurrentTime	2659241984	
Name	Actual Value Expected Value	Resul
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	107.436508 107.436508 ± 0.2	•
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	172.71106 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.2259359 ± 0.04	•
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.5802307	•
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	27095 ± 2	•
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	28327 ± 2	•
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984 2659241984	•
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2659241984 2659241984	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000703454018	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279 0.000432189729 ± 1.25663627181805E-06	6
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	202.264374 202.264374 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.628113	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.9387646 ± 0.04	٠,
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	95.4768982 95.4768982 ± 0.0625	•
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	27095 27095 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2222 2222 ± 2	
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2659241984 2659241984	١.
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2659241984 2659241984	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	
/ehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	
VEHICAL CONSCIENTION IN SHANEH INFOSEILIZOV FINDRU SHAN UIS 132	0.000113010011 0.00011309093/ ± 1.2300302/161605E-06	
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700 700 ± 0.2	

VehDyn_Init1





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.05551898	1.05551898 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	94.2382813	94.2382813 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43128	43128 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58869	58869 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Fest Step 2.5 (Repeat Count = 1)	Input Value	
	·	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
x_AutoCntrHiSpdCntrWindow_HwDeg_f32	33.3349724	
x_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
x_AutoCntrHiSpdFilt2Kn_Hz_f32	0.029999993	
x_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	59.5372696	
x_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.59798193	
x_AutoCntrHiSpdTimer1VehSpd_kph_f32	156.923325	
x_AutoCntrHiSpdTimer1_mS_u16	55627	
x_AutoCntrHiSpdTimer2_mS_u16	3333	
:_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	35.0511017	
x_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	556.066528	
C_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
x_AutoCntrHiSpdTimer4VehSpd_kph_f32	255	
:_AutoCntrHiSpdTimer4_mS_u16	4578	
:_AutoCntrLoSpdCntrWindow_HwDeg_f32	100	
:_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0670000017	
_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004	
:_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	182.050003	
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.878334	
:_AutoCntrLoSpdTimer1VehSpd_kph_f32	223.371994	
_AutoCntrLoSpdTimer1_mS_u16	53759	
:_AutoCntrLoSpdTimer2_mS_u16	18715	
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
_SLPEnableBFCheck_Cnt_lgc	0	
_SLPHwAuthority_Uls_f32	0.0143999998	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1377.08203	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
gt_GetSystemTime_mS_u32_CurrentTime	2942063360	
Name	Actual Value Expected Value	Res
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	556.066528 556.066528 ± 0.2	1100
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255 255 255 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20 20 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	35.0511017 35.0511017 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	55627 55627 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	4578 4578 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Trilesh_in3_u10		
	2942063360 2942063360 2942063360 2942063360	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0.000841617584	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		_
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	59.5372696 59.5372696 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.923325	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.59798193 4.59798193 ± 0.04	
	33.3349724 ± 0.0625	
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32		1
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	55627 55627 ± 2	
, - ,	3333 3333 ± 2 2942063360 2942063360	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000376939774	0.00037692007 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	182.050003	182.050003 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	223.371994	223.371994 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.878334	10.878334 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759	53759 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715	18715 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2942063360	2942063360	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.0143999998	0.0143999998	~
VehDyn_SLPHwPos_HwDeg_M_f32	1377.08203	1377.08203	~

Test Step Call Trace				V
Actual Function Count Expected Function C				Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.6 (Repeat Count = 1)		9
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	85.3555756	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0089999961	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	192.424347	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	1.4601928	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	193.415466	
k_AutoCntrHiSpdTimer1_mS_u16	37774	
k_AutoCntrHiSpdTimer2_mS_u16	19998	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	50.4557152	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	578.624756	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	10.2086525	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	182.197632	
k_AutoCntrHiSpdTimer4_mS_u16	27106	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	56.4612427	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0089999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	30	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	123.501587	
k_AutoCntrLoSpdTimer1_mS_u16	29729	
k_AutoCntrLoSpdTimer2_mS_u16	2000	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.113399997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1016.58698	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1.	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	578.624756 578.624756 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	182.197632 182.197632 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.2086525 ± 0.04	
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	50.4557152 50.4557152 ± 0.0625	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	37774 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	27106 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2728878080 2728878080	
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2728878080 2728878080	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181805E-0	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181805E-0	
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	192.424347 192.424347 ± 0.2	
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	193.415466 193.415466 ± 0.5	
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	1.4601928 1.4601928 ± 0.04	١.
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.3555756	

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VehDyn_Init1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37774	37774 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	19998	19998 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2728878080	2728878080	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	30	30 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.501587	123.501587 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3	3 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.4612427	56.4612427 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29729	29729 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	2000	2000 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2728878080	2728878080	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step 2.7 (Repeat Count = 1)		•
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	96.3896027	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	498.457764	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k AutoCntrHiSpdTimer1VehSpd kph f32	153.084564	
k AutoCntrHiSpdTimer1 mS u16	26438	
k AutoCntrHiSpdTimer2 mS u16	4444	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	4.91284609	
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	300.483093	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.609106064	
k AutoCntrHiSpdTimer4VehSpd kph f32	97.2060852	
k AutoCntrHiSpdTimer4 mS u16	14136	
k AutoCntrLoSpdCntrWindow HwDeg f32	84.7982025	
k AutoCntrLoSpdFilt1Kn Hz f32	0.00600000005	
k AutoCntrLoSpdFilt2Kn Hz f32	0.00499999989	
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	202	
k AutoCntrLoSpdTimer1PinTrg HwNm f32	15.8976202	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	0	
k AutoCntrLoSpdTimer1 mS u16	13352	
k_AutoCntrLoSpdTimer2_mS_u16	14442	
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.063000001	
 	1	
k_SLPEnableBFCheck_Cnt_lgc		
k_SLPHwAuthority_UIs_f32	0.0209999997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1353.04895	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1117112832	
Name	Actual Value Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	300.483093 300.483093 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	97.2060852 97.2060852 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0.609106064	•
		•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	4.91284609 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	4.91284609 4.91284609 ± 0.0625 26438 26438 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	26438 26438 ± 2	
	26438 26438 ± 2 14136 14136 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	26438 26438 ± 2 14136 14136 ± 2 1117112832 1117112832	06
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	26438 26438 ± 2 14136 14136 ± 2 1117112832 1117112832 1117112832 1117112832	06
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	26438 26438 ± 2 14136 14136 ± 2 1117112832 1117112832 1117112832 1117112832 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-	06 06
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	26438 26438 ± 2 14136 14136 ± 2 1117112832 1117112832 1117112832 1117112832 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-6.28232956e-005 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-	06 06
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	26438 26438 ± 2 14136 14136 ± 2 1117112832 1117112832 1117112832 1117112832 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-6.28232956e-005 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-498.457764	06
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	06 06
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	202	202 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	15.8976202	15.8976202 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	84.7982025	84.7982025 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352	13352 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442	14442 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

est Step 2.8 (Repeat Count = 1)		
lame	Input Value	
eetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
tte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
_AutoCntrHiSpdCntrWindow_HwDeg_f32	94.2766724	
_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00600000005	
_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989	
_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	332.416168	
_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.68982124	
_AutoCntrHiSpdTimer1VehSpd_kph_f32	198.46022	
_AutoCntrHiSpdTimer1_mS_u16	46033	
_AutoCntrHiSpdTimer2_mS_u16	5555	
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	97.4420471	
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	381.251129	
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
_AutoCntrHiSpdTimer4VehSpd_kph_f32	93.5331573	
_AutoCntrHiSpdTimer4_mS_u16	1778	
_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.3416519	
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00779999979	
_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	211	
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.8140659	
_AutoCntrLoSpdTimer1VehSpd_kph_f32	255	
_AutoCntrLoSpdTimer1_mS_u16	21364	
_AutoCntrLoSpdTimer2_mS_u16	52716	
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00600000005	
_SLPEnableBFCheck_Cnt_lgc	0	
_SLPHwAuthority_Uls_f32	0.0275999997	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1329.01599	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
gt_GetSystemTime_mS_u32_CurrentTime	1736795392	
lame	Actual Value Expected Value	Resu
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	381.251129 381.251129 ± 0.2	
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	93.5331573 93.5331573 ± 0.5	
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20 ± 0.04	
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.4420471 97.4420471 ± 0.0625	
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	46033 ± 2	
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	1778 ± 2	
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1736795392 1736795392	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1736795392 1736795392	
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-06	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181805E-06	
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	332.416168 ± 0.2	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.68982124	6.68982124 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	94.2766724	94.2766724 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	46033	46033 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	5555	5555 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	211	211 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.8140659	16.8140659 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.3416519	41.3416519 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364	21364 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716	52716 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.0275999997	0.0275999997	~
VehDyn_SLPHwPos_HwDeg_M_f32	1329.01599	1329.01599	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc)	target Rte Call Ap VehDyn NxtrDiagMgr	GetNTCActive NTCActive Ptr T lac	
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2	Gent1 6/16/10/10/10/10/10/10/10	
k AutoCntrHiSpdCntrWindow HwDeg f32	88.6500702		
k AutoCntrHiSpdFilt1Kn Hz f32	0.00779999979		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00899999961		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	138.568741		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	6.97866201		
k AutoCntrHiSpdTimer1VehSpd kph f32	72.755127		
k AutoCntrHiSpdTimer1 mS u16	7415		
k AutoCntrHiSpdTimer2 mS u16	6666		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	59.698616		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	50.0811806		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	17.8322964		
k AutoCntrHiSpdTimer4VehSpd kph f32	117.223816		
k AutoCntrHiSpdTimer4 mS u16	16156		
k AutoCntrLoSpdCntrWindow HwDeg f32	81.3328171		
k AutoCntrLoSpdFilt1Kn Hz f32	0.00899999961		
k AutoCntrLoSpdFilt2Kn Hz f32	0.0250000004		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	543		
k AutoCntrLoSpdTimer1PinTrq HwNm f32	6.82931423		
k AutoCntrLoSpdTimer1VehSpd kph f32	199.050003		
k AutoCntrLoSpdTimer1 mS u16	33198		
k AutoCntrLoSpdTimer2 mS u16	7778		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00779999979		
k_SLPEnableBFCheck_Cnt_lgc	1		
k SLPHwAuthority Uls f32	0.0342000015		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1304.98303		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3437401088		
Name	Actual Value	Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	50.0811806	50.0811806 ± 0.2	•
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	117.223816	117.223816 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.8322964	17.8322964 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	59.698616	59.698616 ± 0.0625	,
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7415	7415 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16156	16156 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3437401088	3437401088	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.568741	138.568741 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	72.755127	72.755127 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.97866201	6.97866201 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.6500702	88.6500702 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7415	7415 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	6666	6666 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	543	543 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	199.050003	199.050003 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.82931423	6.82931423 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	81.3328171	81.3328171 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198	33198 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778	7778 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc)	target Rte Call Ap VehDyn NxtrDiagMgr	GetNTCActive NTCActive Ptr T lac	
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2		
k AutoCntrHiSpdCntrWindow HwDeg f32	65.7764893		
k AutoCntrHiSpdFilt1Kn Hz f32	0.0250000004		
k AutoCntrHiSpdFilt2Kn Hz f32	0.0320999995		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	152.768814		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.771925		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	73.3210144		
k_AutoCntrHiSpdTimer1_mS_u16	14150		
k_AutoCntrHiSpdTimer2_mS_u16	13332		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	89.3387299		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	668.902588		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	32.1202698		
k_AutoCntrHiSpdTimer4_mS_u16	40995		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.0500031		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.039999991		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	290		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.74961567		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	20		
k_AutoCntrLoSpdTimer1_mS_u16	3658		
k_AutoCntrLoSpdTimer2_mS_u16	5853		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.0737999976		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1160.78503		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgctriangleright (a) and the properties of the prop$	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	668.902588	668.902588 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.1202698	32.1202698 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	89.3387299	89.3387299 ± 0.0625	•





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	14150	14150 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	40995	40995 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00050252676	0.000502528506 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	152.768814	152.768814 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	73.3210144	73.3210144 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.771925	15.771925 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	65.7764893	65.7764893 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	14150	14150 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13332	13332 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	290	290 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	20	20 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.74961567	8.74961662 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	67.0500031	67.0500031 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658	3658 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853	5853 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00050252676	0.000502528506 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓





Test Step 2.11 (Repeat Count = 1)			V
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_G	SetNTCActive NTCActive Ptr T lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	8.86355877		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	123.465202		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	10.8994331		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	82.6047821		
k_AutoCntrHiSpdTimer1_mS_u16	14014		
k_AutoCntrHiSpdTimer2_mS_u16	7777		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	27.8338795		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	39.6259003		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.01894903		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	184.136215		
k_AutoCntrHiSpdTimer4_mS_u16	22354		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.932251		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.029999993		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	9		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	0		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	65.6970062		
k_AutoCntrLoSpdTimer1_mS_u16	21335		
k_AutoCntrLoSpdTimer2_mS_u16	34188		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0089999961		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.0408000015		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1280.94995		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3494315776		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	39.6259003	39.6259003 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	184.136215 6.01894903	184.136215 ± 0.5	,
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	27.8338795	6.01894903 ± 0.04 27.8338795 ± 0.0625	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	14014	14014 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	22354	22354 ± 2	·
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3494315776	3494315776	
VehDyn AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3494313770		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2404245776		-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3494315776	3494315776	~
	0.000376939774	3494315776 0.00037692007 ± 1.25663627181805E-06	~
	0.000376939774 0.000791370869	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0.000376939774 0.000791370869 123.465202	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0.000376939774 0.000791370869 123.465202 82.6047821	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04	\(\frac{1}{2}\)
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2	***************************************
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 3494315776	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776 0.000113070011	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 3494315776 0.000113090937 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 3494315776 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776 0.000113070011 0.000314116478	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 3494315776 0.000113090937 ± 1.25663627181805E-06	
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VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NttrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776 0.000113070011 0.000314116478 9 65.6970062 0 99.932251 21335 34188	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 9 ± 0.2 65.6970062 ± 0.5 0 ± 0.04 99.932251 ± 0.0625 21335 ± 2 34188 ± 2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776 0.000113070011 0.000314116478 9 65.6970062 0 99.932251 21335 34188 3494315776	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 9 ± 0.2 65.6970062 ± 0.5 0 ± 0.04 99.932251 ± 0.0625 21335 ± 2 34188 ± 2 3494315776 3494315776	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776 0.000113070011 0.000314116478 9 65.6970062 0 99.932251 21335 34188 3494315776 3494315776	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 9 ± 0.2 65.6970062 ± 0.5 0 ± 0.04 99.932251 ± 0.0625 21335 ± 2 34188 ± 2 3494315776	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776 0.000113070011 0.000314116478 9 65.6970062 0 99.932251 21335 34188 3494315776 3494315776 0.000376939774	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 9 ± 0.2 65.6970062 ± 0.5 0 ± 0.04 99.932251 ± 0.0625 21335 ± 2 34188 ± 2 3494315776 0.00037692007 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	0.000376939774 0.000791370869 123.465202 82.6047821 10.8994331 8.86355877 14014 7777 3494315776 3494315776 0.000113070011 0.000314116478 9 65.6970062 0 99.932251 21335 34188 3494315776 3494315776 0.000376939774 0.000791370869	3494315776 0.00037692007 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 123.465202 ± 0.2 82.6047821 ± 0.5 10.8994331 ± 0.04 8.86355877 ± 0.0625 14014 ± 2 7777 ± 2 3494315776 0.000113090937 ± 1.25663627181805E-06 0.0031410993 ± 1.25663627181805E-06 9 ± 0.2 65.6970062 ± 0.5 0 ± 0.04 99.932251 ± 0.0625 21335 ± 2 34188 ± 2 3494315776 0.00037692007 ± 1.25663627181805E-06 0.00037692007 ± 1.25663627181805E-06	



Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.12 (Repeat Count = 1) Name	Input Value	
	tgt_GetSystemTime_mS_u32_CurrentTime	
GetSystemTime_mS_u32(CurrentTime)		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) Rte_Inst_Ap_VehDyn	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2	
k AutoCntrHiSpdCntrWindow HwDeg f32	26.9095516	
k_AutoCntrHiSpdCnttWindow_nwbeg_is2 k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012	
	0.063000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	162.400772	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.9627428	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	114.852692	
k_AutoCntrHiSpdTimer1_mS_u16	48224	
k_AutoCntrHiSpdTimer2_mS_u16	8888	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.4006882	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	585.574707	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.3129344	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	65.4458923	
k_AutoCntrHiSpdTimer4_mS_u16	32015	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	26.1026459	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0458000004	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	533	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	23.0135193	
k_AutoCntrLoSpdTimer1_mS_u16	12258	
k_AutoCntrLoSpdTimer2_mS_u16	36416	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.0474000014	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1256.91699	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	463842816	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	585.574707 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	65.4458923 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.3129344 4.31293392 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.4006882 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	48224 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	32015 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816 463842816	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	463842816 463842816	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000575363636	E-06
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51531601e-005 2.51324254e-005 ± 1.25663627181805	E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	162.400772 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccc} 162.400772 & 162.400772 \pm 0.2 \\ 114.852692 & 114.852692 \pm 0.5 \\ 14.9627428 & 14.9627428 \pm 0.04 \\ 26.9095516 & 26.9095516 \pm 0.0625 \\ 48224 & 48224 \pm 2 \end{array}$	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06 E-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06 E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06 E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06 E-06





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn SLPHwPos HwDeg M f32	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.13 (Repeat Count = 1)	Input Value	
	tgt GetSystemTime mS u32 CurrentTime	
GetSystemTime_mS_u32(CurrentTime)	1	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2 49.6496849	
_AutoCntrHiSpdCntrWindow_HwDeg_f32	0.0458000004	
X_AutoCntrHiSpdFilt1Kn_Hz_f32		
_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009	
_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	546.656738	
_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.7334461	
_AutoCntrHiSpdTimer1VehSpd_kph_f32	136.718338	
_AutoCntrHiSpdTimer1_mS_u16	4828	
_AutoCntrHiSpdTimer2_mS_u16	9999	
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	33.7199783	
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	689.916992	
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.30665016	
_AutoCntrHiSpdTimer4VehSpd_kph_f32	223.376236	
_AutoCntrHiSpdTimer4_mS_u16	49523	
x_AutoCntrLoSpdCntrWindow_HwDeg_f32	17.6228924	
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989	
x_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989	
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	570	
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.05000019	
_AutoCntrLoSpdTimer1VehSpd_kph_f32	7.9233551	
_AutoCntrLoSpdTimer1_mS_u16	34738	
_AutoCntrLoSpdTimer2_mS_u16	36612	
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0458000004	
_SLPEnableBFCheck_Cnt_lgc	0	
_SLPHwAuthority_Uls_f32	0.0540000014	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1232.88403	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgo	0	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
gt_GetSystemTime_mS_u32_CurrentTime	1759885568	
Name Same	Actual Value Expected Value	Re
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	689.916992 ± 0.2	
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	223.376236 ± 0.5	
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.30665016 9.30665016 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	33.7199783 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	4828 ± 2	
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	49523 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568 1759885568	
	1759885568 1759885568 1759885568	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32		06
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1759885568 1759885568	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 999 ± 2 1759885568 1759885568 1759885568 1759885568	06
tehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 tehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 tehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 tehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 tehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 tehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 tehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 tehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 tehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 tehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 tehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E-	6
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E- 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-	6
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E- 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E- 570 570 ± 0.2	6
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E- 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E 570 570 ± 0.2 7.9233551 7.9233551 ± 0.5	6
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E- 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E 570 570 ± 0.2 7.9233551 7.9233551 ± 0.5 7.05000019 7.05000019 ± 0.04	6
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 546.656738 546.656738 ± 0.2 136.718338 136.718338 ± 0.5 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E- 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E 570 570 ± 0.2 7.9233551 7.9233551 ± 0.5	6

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VehDyn_Init1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.0540000014	0.0540000014	~
VehDyn_SLPHwPos_HwDeg_M_f32	1232.88403	1232.88403	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.14 (Repeat Count = 1) Name	Input Value	
	•	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	23.8171101	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0759999976	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	79.877243	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.8524735	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	164.951675	
k_AutoCntrHiSpdTimer1_mS_u16	16138	
k_AutoCntrHiSpdTimer2_mS_u16	23331	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	78.1467133	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	32.7761002	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.07399654	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	38.1457062	
k_AutoCntrHiSpdTimer4_mS_u16	46166	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	81.6020432	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000300000014	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	367.93277	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	4	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	150.688919	
k_AutoCntrLoSpdTimer1_mS_u16	22835	
k_AutoCntrLoSpdTimer2_mS_u16	13127	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0759999976	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.133200005	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	944.487976	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008	
Name	Actual Value Expected Value	Resi
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	32.7761002 32.7761002 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	38.1457062 38.1457062 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.07399654 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1467133 78.1467133 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16138 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46166 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4164171008 4164171008	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4164171008 4164171008	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.75509262e-006 3.76990397e-006 ± 1.25663627181805E-06	i
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-06	,
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	79.877243	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	164.951675 164.951675 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.8524735 3.8524735 ± 0.04	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	23.8171101 23.8171101 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16138 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	23331 23331 ± 2	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4164171008 4164171008	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4164171008 4164171008	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000954568386	
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_0is_is2 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_is2	2.51531601e-005	
	2.515316016-005 2.515242546-005 ± 1.25063627161605E-06 367.93277 ± 0.2	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32		





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4	4 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	81.6020432	81.6020432 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	22835	22835 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13127	13127 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4164171008	4164171008	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.75509262e-006	3.76990397e-006 ± 1.25663627181805E-06	S 🗸
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000954568386	0.000954588235 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.133200005	0.133200005	~
VehDyn_SLPHwPos_HwDeg_M_f32	944.487976	944.487976	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.15 (Repeat Count = 1)	1	
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	97.9824524	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	650.888245	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.2269373	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	83.2932739	
k_AutoCntrHiSpdTimer1_mS_u16	13561	
k_AutoCntrHiSpdTimer2_mS_u16	11110	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	84.8904648	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	13.5116568	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	14.3859873	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	200.00708	
k_AutoCntrHiSpdTimer4_mS_u16	3778	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0	
k AutoCntrLoSpdFilt1Kn Hz f32	0.00899999961	
k AutoCntrLoSpdFilt2Kn Hz f32	0.00520000001	
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	497	
k AutoCntrLoSpdTimer1PinTrg HwNm f32	19.0077152	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	82.6157227	
k_AutoCntrLoSpdTimer1_mS_u16	37799	
k AutoCntrLoSpdTimer2 mS u16	41632	
k AutoCntrPinTrgLPFCoeffKn Hz f32	0.00499999989	
k SLPEnableBFCheck Cnt lgc	1	
k SLPHwAuthority Uls f32	0.0606000014	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1208.85095	
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0	
	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408	1
Name	Actual Value Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	13.5116568 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	200.00708 200.00708 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3859873	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	84.8904648 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13561 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3778 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1662097408 1662097408	١ .
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1662097408 1662097408	•
	0.000113070011 0.000113090937 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		
	6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 650.888245 650.888245 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 650.888245 650.888245 ± 0.2 83.2932739 83.2932739 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 650.888245 650.888245 ± 0.2 83.2932739 83.2932739 ± 0.5 14.2269373 14.2269373 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 650.888245 650.888245 ± 0.2 83.2932739 83.2932739 ± 0.5 14.2269373 14.2269373 ± 0.04 97.9824524 97.9824524 ± 0.0625 13561 13561 ± 2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 650.888245 650.888245 ± 0.2 83.2932739 83.2932739 ± 0.5 14.2269373 14.2269373 ± 0.04 97.9824524 97.9824524 ± 0.0625	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	497	497 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	82.6157227	82.6157227 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19.0077152	19.0077152 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799	37799 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632	41632 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1662097408	1662097408	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1662097408	1662097408	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.16 (Repeat Count = 1)		•
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	76.7621613	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	203.632965	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.2671566	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	127.052841	
k_AutoCntrHiSpdTimer1_mS_u16	2974	
k_AutoCntrHiSpdTimer2_mS_u16	12221	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	71.4314346	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	460.300537	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	5.9040184	
k AutoCntrHiSpdTimer4VehSpd kph f32	118.848923	
k AutoCntrHiSpdTimer4 mS u16	41925	
k AutoCntrLoSpdCntrWindow HwDeg f32	100	
k AutoCntrLoSpdFilt1Kn Hz f32	0.0250000004	
k AutoCntrLoSpdFilt2Kn Hz f32	0.0320999995	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	31	
k AutoCntrLoSpdTimer1PinTrq HwNm f32	18.3913727	
k AutoCntrLoSpdTimer1VehSpd kph f32	202.272995	
k AutoCntrLoSpdTimer1 mS u16	8366	
k_AutoCntrLoSpdTimer2_mS_u16	51002	
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.00899999961	
k SLPEnableBFCheck Cnt lgc	0	
k SLPHwAuthority Uls f32	0.0671999976	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1184.81799	
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1	
target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208	
Name	Actual Value Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	460.300537 460.300537 ± 0.2	Resul
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	118.848923 118.848923 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrq HwNm f32	5.9040184 5.9040184 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	71.4314346 71.4314346 ± 0.0625	
, – , – , – , – , – , – , – , – , – , –	2974 2974 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41925 41925 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208 2127166208 2127166208 2127166208	
VehDyn_AutoCotrDetSpd_M_str.Timer2_mS_u32	0.000314116478	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32		,
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027	J6 ·
VehDyn_AutoCntrlliSpd_M_str.MtrVel_MtrRadpS_f32	203.632965 203.632965 ± 0.2	Ĭ
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	127.052841	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.2671566 11.2671566 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	76.7621613 76.7621613 ± 0.0625	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2974	2974 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12221	12221 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	31	31 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	202.272995	202.272995 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.3913727	18.3913727 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366	8366 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51002	51002 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.0671999976	0.0671999976	~
VehDyn_SLPHwPos_HwDeg_M_f32	1184.81799	1184.81799	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.17 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_Get	tNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	65.7764893		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0320999995		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	152.768814		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.771925		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	73.3210144		
k_AutoCntrHiSpdTimer1_mS_u16	14150		
k_AutoCntrHiSpdTimer2_mS_u16	13332		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	89.3387299		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	668.902588		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	32.1202698		
k_AutoCntrHiSpdTimer4_mS_u16	40995		
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.0500031		
<_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
<_AutoCntrLoSpdFilt2Kn_Hz_f32	0.039999991		
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	290		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.74961567		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	76.098053		
k_AutoCntrLoSpdTimer1_mS_u16	3658		
<_AutoCntrLoSpdTimer2_mS_u16	5853		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
<pre><_SLPHwAuthority_Uls_f32</pre>	0.0737999976		
arget Pim MotPosReset.NVMStoredLastPos HwDeg f32	1160.78503		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
tgt GetSystemTime mS u32 CurrentTime	4243378688		
Name	Actual Value E	xpected Value	Resu
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32		68.902588 ± 0.2	Itoso
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32		2.1202698 ± 0.5	
VehDyn_AutoChtrDetSpd_M_str.FiltPinTrq_HwNm_f32		0 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.tntrintq_nwinin_i32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32		9.3387299 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16		4150 ± 2	
		9995 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16		0995 ± 2 243378688	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32			
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32		243378688	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		.000791368075 ± 1.25663627181805E-06	
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00050252676 0.	.000502528506 ± 1.25663627181805E-06	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	152.768814	152.768814 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	73.3210144	73.3210144 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.771925	15.771925 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	65.7764893	65.7764893 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	14150	14150 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13332	13332 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	290	290 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.098053	76.098053 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.74961567	8.74961662 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	67.0500031	67.0500031 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658	3658 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853	5853 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00050252676	0.000502528506 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Test Step 2.18 (Repeat Count = 1)				
Name	Input Value			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTim	e		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	84.4737091			
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004			
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	609.83606			
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.01206732			
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	158.11969			
k_AutoCntrHiSpdTimer1_mS_u16	42810			
k_AutoCntrHiSpdTimer2_mS_u16	28886			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	78.8331146			
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700			
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.0596523			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	195.407715			
k_AutoCntrHiSpdTimer4_mS_u16	10213			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	8			
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00779999979			
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0430000015			
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	209.013977			
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	17.8311005			
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	20.6569824			
k_AutoCntrLoSpdTimer1_mS_u16	38868			
k_AutoCntrLoSpdTimer2_mS_u16	57944			
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001			
k_SLPEnableBFCheck_Cnt_lgc	1			
k_SLPHwAuthority_Uls_f32	0.166199997			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	824.322998			
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0			
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0			
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504			
Name	Actual Value	Expected Value	Resu	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	195.407715	195.407715 ± 0.5		
VehDyn AutoCntrDetSpd M str.FiltPinTrq HwNm f32	12.0596523	12.0596523 ± 0.04		
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	78.8331146	78.8331146 ± 0.0625		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42810	42810 ± 2		
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	10213	10213 ± 2		



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000540196896	0.000540207955 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	609.83606	609.83606 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	158.11969	158.11969 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.01206732	3.01206756 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	84.4737091	84.4737091 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42810	42810 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	28886	28886 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	209.013977	209.013977 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	20.6569824	20.6569824 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	17.8311005	17.8311005 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	8	8 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868	38868 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944	57944 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000540196896	0.000540207955 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.19 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_	GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	38.6106339		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0850000009		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	58.1886024		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.81883907		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	49.8758698		
k_AutoCntrHiSpdTimer1_mS_u16	23629		
k_AutoCntrHiSpdTimer2_mS_u16	14443		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	20.9637165		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	84.1278992		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	3.85283899		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	50.9156036		
k_AutoCntrHiSpdTimer4_mS_u16	14512		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	69.9473343		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00200000009		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0350000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	604		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	2.58473921		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	60.232254		
k_AutoCntrLoSpdTimer1_mS_u16	0		
k_AutoCntrLoSpdTimer2_mS_u16	23667		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.0803999975		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1136.75195		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1050692864		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	84.1278992	84.1278992 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	50.9156036	50.9156036 ± 0.5	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.85283899	3.85283899 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	20.9637165	20.9637165 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23629	23629 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14512	14512 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	58.1886024	58.1886024 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	49.8758698	49.8758698 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.81883907	8.81883907 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	38.6106339	38.6106339 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	23629	23629 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14443	14443 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	604	604 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	60.232254	60.232254 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.58473921	2.58473921 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	69.9473343	69.9473343 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	23667	23667 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.0803999975	0.0803999975	~
VehDyn_SLPHwPos_HwDeg_M_f32	1136.75195	1136.75195	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Name	Input Value
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
<_AutoCntrHiSpdCntrWindow_HwDeg_f32	41.6642952
c_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009
c_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	338.634766
c_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68194199
_AutoCntrHiSpdTimer1VehSpd_kph_f32	18.1331787
_AutoCntrHiSpdTimer1_mS_u16	42430
_AutoCntrHiSpdTimer2_mS_u16	15554
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	11.2356644
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	269.545135
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.7515726
<_AutoCntrHiSpdTimer4VehSpd_kph_f32	62.7014771
_AutoCntrHiSpdTimer4_mS_u16	28023
_AutoCntrLoSpdCntrWindow_HwDeg_f32	11.1490717
C_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
C_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0560000017
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	554
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	123.001526
_AutoCntrLoSpdTimer1_mS_u16	60000
_AutoCntrLoSpdTimer2_mS_u16	49369
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009
_SLPEnableBFCheck_Cnt_lgc	1
_SLPHwAuthority_Uls_f32	0.0869999975
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1112.71899
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgd	0
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	269.545135	269.545135 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	62.7014771	62.7014771 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.7515726	13.7515726 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	11.2356644	11.2356644 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42430	42430 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	28023	28023 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3039943680	3039943680	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	338.634766	338.634766 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.1331787	18.1331787 ± 0.5	١ ,
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68194199	8.68194199 ± 0.04	'
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.6642952	41.6642952 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42430	42430 ± 2	١ ،
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	15554	15554 ± 2	١ ,
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3039943680	3039943680	١ ،
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3039943680	3039943680	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	554	554 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.001526	123.001526 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	١ ،
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	11.1490717	11.1490717 ± 0.0625	١ ,
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	١ ،
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	49369	49369 ± 2	١ ،
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3039943680	3039943680	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3039943680	3039943680	١ ،
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.21 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	34.2725372
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00100000005
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	339.617279
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.0185966
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	83.5956268
k_AutoCntrHiSpdTimer1_mS_u16	35564
k_AutoCntrHiSpdTimer2_mS_u16	16665
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.4165878
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	345.451324
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	1.04481328
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	254.828232
k_AutoCntrHiSpdTimer4_mS_u16	46550
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	11.0835915
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00520000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0670000017
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	261.848846
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.7432442
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	65.1780853
k_AutoCntrLoSpdTimer1_mS_u16	500
k_AutoCntrLoSpdTimer2_mS_u16	16088
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.0935999975





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1088.68604		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1316564736		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	345.451324	345.451324 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	254.828232	254.828232 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.04481328	1.04481316 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.4165878	47.4165878 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	35564	35564 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46550	46550 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	339.617279	339.617279 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	83.5956268	83.5956268 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.0185966	13.0185966 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	34.2725372	34.2725372 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	35564	35564 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	16665	16665 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1.257658e-005	1.25662918e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	261.848846	261.848846 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	65.1780853	65.1780853 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7432442	16.7432442 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	11.0835915	11.0835915 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	500	500 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	16088	16088 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.0935999975	0.0935999975	~
VehDyn_SLPHwPos_HwDeg_M_f32	1088.68604	1088.68604	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.22 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	44.8276367
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	219.394257
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	18.4182396
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	216.505157
k_AutoCntrHiSpdTimer1_mS_u16	53799
k_AutoCntrHiSpdTimer2_mS_u16	17776
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	12.5710239
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	630.946533
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.3842678
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	3.99484253
k_AutoCntrHiSpdTimer4_mS_u16	50044
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	29.3483315
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	674.329163
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	14.6219854
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	87.195282
k_AutoCntrLoSpdTimer1_mS_u16	25496





Name	Input Value		
k_AutoCntrLoSpdTimer2_mS_u16	0		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.100199997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1064.65295		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Ig	c 1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	630.946533	630.946533 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	3.99484253	3.99484253 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.3842678	18.3842678 ± 0.04	
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	12.5710239	12.5710239 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53799	53799 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	50044	50044 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2075080192	2075080192	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2075080192	2075080192	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	219.394257	219.394257 ± 0.2	•
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	216.505157	216.505157 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.4182396	18.4182377 ± 0.04	٠,
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	44.8276367	44.8276367 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53799	53799 ± 2	٠,
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	17776	17776 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192	2075080192	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	674.329163	674.329163 ± 0.2	
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	87.195282	87.195282 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.6219854	14.6219854 ± 0.04	
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	29.3483315	29.3483315 ± 0.0625	
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	25496	25496 ± 2	
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	0	0 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2075080192	2075080192	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	V

Test Step 2.23 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	66.9603653
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0450000018
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	11.8271809
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.42799282
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	157.885941
k_AutoCntrHiSpdTimer1_mS_u16	47432
k_AutoCntrHiSpdTimer2_mS_u16	18887
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	15.953599
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	118.757027
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	1.14587271
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	83.8543854
k_AutoCntrHiSpdTimer4_mS_u16	53593
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	40.2867165
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00779999979





Name	Input Value		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	610.883545		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.43369675		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	11.503067		
k_AutoCntrLoSpdTimer1_mS_u16	11226		
k_AutoCntrLoSpdTimer2_mS_u16	60000		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_UIs_f32	0.106799997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1040.62		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	118.757027	118.757027 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	83.8543854	83.8543854 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.14587271	1.14587283 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	15.953599	15.953599 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	47432	47432 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53593	53593 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	954802432	954802432	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	954802432	954802432	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	11.8271809	11.8271809 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	157.885941	157.885941 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.42799282	3.42799282 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	66.9603653	66.9603653 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	47432	47432 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18887	18887 ± 2	✓
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	954802432	954802432	~
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	954802432	954802432	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000565350056	0.000565326831 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	610.883545	610.883545 ± 0.2	~
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	11.503067	11.503067 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.43369675	8.43369675 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	40.2867165	40.2867165 ± 0.0625	~
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	11226	11226 ± 2	~
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	60000	60000 ± 2	~
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	954802432	954802432	-
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	954802432	954802432	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	-
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✓
VehDyn PinTrqSV M str.K Uls f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	-
VehDyn SLPHwAuth Uls M f32	0.106799997	0.106799997	~
VehDyn SLPHwPos HwDeg M f32	1040.62	1040.62	-
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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.24 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	85.3555756
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	192.424347
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	1.4601928
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	193.415466
k_AutoCntrHiSpdTimer1_mS_u16	37774
k_AutoCntrHiSpdTimer2_mS_u16	19998
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	50.4557152
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	578.624756
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	10.2086525
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	182.197632

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Name	Input Value		
k_AutoCntrHiSpdTimer4_mS_u16	27106		
k AutoCntrLoSpdCntrWindow HwDeg f32	56.4612427		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00899999961		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	39.4220428		
k AutoCntrLoSpdTimer1PinTrq HwNm f32	3		
k AutoCntrLoSpdTimer1VehSpd kph f32	123.501587		
k AutoCntrLoSpdTimer1 mS u16	29729		
k_AutoCntrLoSpdTimer2_mS_u16	2000		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.113399997		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1016.58698		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	578.624756	578.624756 ± 0.2	- TOOUIC
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	182.197632	182.197632 ± 0.5	-
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	10.2086525	10.2086525 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	50.4557152	50.4557152 ± 0.0625	·
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	37774	37774 ± 2	-
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	27106	27106 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2728878080	2728878080	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	-
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	192.424347	192.424347 ± 0.2	
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	193.415466	193.415466 ± 0.5	-
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.4601928	1.4601928 ± 0.04	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	85.3555756	85.3555756 ± 0.0625	-
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37774	37774 ± 2	
	19998	19998 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2728878080	2728878080	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005 0.000113070011	2.51324254e-005 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	39.4220428	39.4220428 ± 0.2	,
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32			· ·
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.501587	123.501587 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3	3 ± 0.04	✓
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.4612427	56.4612427 ± 0.0625	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29729	29729 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	2000	2000 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2728878080	2728878080	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	V
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.25 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	47.2272682
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	407.382568
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.11670542
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	171.811264
k_AutoCntrHiSpdTimer1_mS_u16	44272
k_AutoCntrHiSpdTimer2_mS_u16	21109



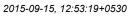


Nome	Input Value		
Name	Input Value		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	84.4373398		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	457.561249		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.91502762		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	73.4022675		
k_AutoCntrHiSpdTimer4_mS_u16	15330		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	31.4061165		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000199999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0231999997		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	665.639221		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.52301908		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	52.7404022		
k_AutoCntrLoSpdTimer1_mS_u16	58388		
k_AutoCntrLoSpdTimer2_mS_u16	25970		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0049999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.119999997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	992.554016		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	824746752		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.561249	457.561249 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	73.4022675	73.4022675 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.91502762	9.91502762 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	84.4373398	84.4373398 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	44272	44272 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	15330	15330 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000291526318	0.000291497301 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	407.382568	407.382568 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	171.811264	171.811264 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.11670542	5.11670542 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	47.2272682	47.2272682 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	44272	44272 ± 2	_
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	21109	21109 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	_
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	824746752	824746752	•
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	665.639221	665.639221 ± 0.2	_
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.7404022	52.7404022 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.52301908	3.52301908 ± 0.04	-
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	31.4061165	31.4061165 ± 0.0625	•
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	58388	58388 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	25970	25970 ± 2	~
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	824746752	824746752	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	824746752 824746752	824746752 824746752	~
		2.51327106e-006 ± 1.25663627181805E-06	
VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	2.50339508e-006		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000291526318	0.000291497301 ± 1.25663627181805E-06	*
VehDyn_PinTrqSV_M_str.K_UIs_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	-
VehDyn_SLPHwDeg_HwDeg_M_f32	0.119999997	0.119999997	
VehDyn_SLPHwPos_HwDeg_M_f32	992.554016	992.554016	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.26 (Repeat Count = 1)	·
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	3.12775111
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	602.94635

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Name	Input Value		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	10.0753288		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	221.670746		
k AutoCntrHiSpdTimer1 mS u16	58454		
k AutoCntrHiSpdTimer2 mS u16	22220		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	68.7160416		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	155.820129		
k AutoCntrHiSpdTimer4PinTrq HwNm f32	2.29925823		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	81.0852356		
k_AutoCntrHiSpdTimer4_mS_u16	20609		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	29.8536549		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00249999994		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	255.177094		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.44891739		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	221.320831		
k_AutoCntrLoSpdTimer1_mS_u16	46162		
k_AutoCntrLoSpdTimer2_mS_u16	50158		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.126599997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	968.520996		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	309385728		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	155.820129	155.820129 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	81.0852356	81.0852356 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.29925823	2.29925823 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	68.7160416	68.7160416 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	58454	58454 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	20609	20609 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	309385728	309385728	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3.14116478e-005	3.14154313e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	602.94635	602.94635 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	221.670746	221.670746 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0753288	10.0753288 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	3.12775111	3.12775087 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	58454	58454 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22220	22220 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	309385728	309385728	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	255.177094	255.177094 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	221.320831	221.320831 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.44891739	3.44891739 ± 0.04	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	29.8536549	29.8536549 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46162	46162 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	50158	50158 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	· · ·
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	309385728	309385728	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3.14116478e-005	3.14154313e-005 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwDeg_HwDeg_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.27 (Repeat Count = 1)		✓
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	





Name	Input Value		
k AutoCntrHiSpdCntrWindow HwDeg f32	23.8171101		
k AutoCntrHiSpdFilt1Kn Hz f32	0.0759999976		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00200000009		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	79.877243		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	3.8524735		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	164.951675		
k AutoCntrHiSpdTimer1 mS u16	16138		
k_AutoCntrHiSpdTimer2_mS_u16	23331		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	78.1467133		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	32.7761002		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.07399654		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	38.1457062		
k AutoCntrHiSpdTimer4 mS u16	46166		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	81.6020432		
k AutoCntrLoSpdFilt1Kn Hz f32	0.000300000014		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00600000005		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	367.93277		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.7041206		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	150.688919		
k_AutoCntrLoSpdTimer1_mS_u16	22835		
k AutoCntrLoSpdTimer2 mS u16	13127		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0759999976		
k SLPEnableBFCheck Cnt lgc	0		
k_SLPHwAuthority_Uls_f32	0.133200005		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	944.487976		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	32.7761002	32.7761002 ± 0.2	Result
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	38.1457062	38.1457062 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.07399654	2.07399654 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1467133	78.1467133 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16138	16138 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46166	46166 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4164171008	4164171008	_
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4164171008	4164171008	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.75509262e-006	3.76990397e-006 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	79.877243	79.877243 ± 0.2	_
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	164.951675	164.951675 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.8524735	3.8524735 ± 0.04	_
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	23.8171101	23.8171101 ± 0.0625	~
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	16138	16138 ± 2	_
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	23331	23331 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4164171008	4164171008	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000954568386	0.000954588235 ± 1.25663627181805E-06	_
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	367.93277	367.93277 ± 0.2	_
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	150.688919	150.688919 ± 0.5	•
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	10.7041206	10.7041206 ± 0.04	_
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	81.6020432	81.6020432 ± 0.0625	•
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	22835	22835 ± 2	_
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13127	13127 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4164171008	4164171008	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.75509262e-006	3.76990397e-006 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000954568386	0.000954588235 ± 1.25663627181805E-06	_
VehDyn SLPHwAuth Uls M f32	0.133200005	0.133200005	V
·			
VehDyn_SLPHwPos_HwDeg_M_f32	944.487976	944.487976	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•





Test Step 2.28 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
$Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)$	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	37.7641106	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989	
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	12.4052467	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.2494946	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.530762	
k_AutoCntrHiSpdTimer1_mS_u16	18642	
k AutoCntrHiSpdTimer2 mS u16	24442	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.24184275	
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	638.897888	
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k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.65499401	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	82.6361694	
k_AutoCntrHiSpdTimer4_mS_u16	51569	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	31.2713699	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.000199999995	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	537.7453	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.52731705	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	193.256531	
k_AutoCntrLoSpdTimer1_mS_u16	29076	
k AutoCntrLoSpdTimer2 mS u16	43868	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0225000009	
k SLPEnableBFCheck Cnt Igc	1	
k_SLPHwAuthority_Uls_f32	0.139799997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	920.455017	
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0	
	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	437658624	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	638.897888 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	82.6361694 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.65499401 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.24184275 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	18642 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51569 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	437658624 437658624	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	437658624 437658624	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000439703465	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	12.4052467	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32		
VahDun AutoCatrHiend M atr FiltDiaTea Husban 100	168.530762 168.530762 ± 0.5	
	16.2494946 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	16.2494946 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 40.00028270483 0.000282703375 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 0.00028270483 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625 29076 29076 ± 2	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 0.00028270483 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625 29076 29076 ± 2 43868 43868 ± 2 437658624 437658624	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 0.00028270483 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625 29076 29076 ± 2 43868 43868 ± 2 437658624 437658624	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32	16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625 29076 29076 ± 2 43868 43868 ± 2 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06	



Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓	

Input Value			
tgt_GetSystemTime_mS_u32_Current	Time		
	gMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
target_Rte_Inst_Ap_VehDyn_2			
0.146400005			
896.421997			
1			
1			
target_Pim_MotPosReset			
3941357312			
Actual Value	Expected Value	Res	
344.000977	344.000977 ± 0.2		
122.149155	122.149155 ± 0.5		
1.13386405	1.13386393 ± 0.04		
23.2325249	23.2325249 ± 0.0625		
35706	35706 ± 2		
10394	10394 ± 2		
3941357312	3941357312		
3941357312	3941357312		
0.000703454018	0.00070346921 ± 1.25663627181805E-06		
0.00125586987	0.00125584786 ± 1.25663627181805E-06		
349.296539	349.296539 ± 0.2		
65.5278778	65.5278778 ± 0.5		
1.81056666	1.81056666 ± 0.04		
39.3153801	39.3153801 ± 0.0625		
35706	35706 ± 2		
3941357312	3941357312		
3941357312	3941357312		
0.000791370869	0.000791368075 ± 1.25663627181805E-06		
0.000616788864	0.000616818492 ± 1.25663627181805E-06		
37.5066719	37.5066719 ± 0.2		
	000000±0.E		
	237 538071 + 0.5		
237.538071	237.538071 ± 0.5 2 22880888 + 0.04		
237.538071 2.22880888	2.22880888 ± 0.04		
237.538071 2.22880888 37.9574203	2.22880888 ± 0.04 37.9574203 ± 0.0625		
237.538071 2.22880888 37.9574203 32821	2.22880888 ± 0.04 37.9574203 ± 0.0625 32821 ± 2		
237.538071 2.22880888 37.9574203 32821 53946	2.22880888 ± 0.04 37.9574203 ± 0.0625 32821 ± 2 53946 ± 2		
237.538071 2.22880888 37.9574203 32821 53946 3941357312	2.22880888 ± 0.04 37.9574203 ± 0.0625 32821 ± 2 53946 ± 2 3941357312		
237.538071 2.22880888 37.9574203 32821 53946	2.22880888 ± 0.04 37.9574203 ± 0.0625 32821 ± 2 53946 ± 2		
	39.3153801 0.06300001 0.0491000004 349.296539 1.81056666 65.5278778 35706 25553 23.2325249 344.000977 1.13386405 122.149155 10394 37.9574203 0.0560000017 0.100000001 37.5066719 2.2288088 237.538071 32821 53946 0.063000001 0 0.146400005 896.421997 1 1 1 target_Pim_MotPosReset 3941357312 Actual Value 344.000977 122.149155 1.13386405 23.2325249 35706 10394 3941357312 3941357312 0.000703454018 0.00125586987 349.296539 65.5278778 1.81056666 39.3153801 35706 25553 3941357312	39.3153801 0.063000001 0.0491000004 349.296539 1.81056666 65.5278778 35706 25553 23.2325249 344.000977 1.13388405 122.149155 10394 37.9574203 0.0580000017 0.100000001 37.5066719 2.22880888 237.538071 32821 53946 0.063000001 0 0.146400005 896.421997 1 1 1 1 1 1 1 1 2 1 target_Pim_MotPosReset 3941357312 44.00977 344.00977 1.13386405 1.13386405 1.13386405 1.13386405 1.13386405 1.13386405 1.13386405 1.13386405 1.13386405 1.13386393 + 0.04 23.2325249 23.2325249 23.2325249 ± 0.0625 35706 35706 35706 35706 35706 35706 35706 35706 35706 35706 349.296539 349.3953801 38.3153801 38.3153801 38.3153801 38.3155801 38.3155706 35706 35706 25553 325553 2 25553 3841357312	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.146400005	0.146400005	•
VehDyn SLPHwPos HwDeg M f32	896.421997	896.421997	-

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓	

Test Step 2.30 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	643.884338	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.05844259	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	123.333405	
k_AutoCntrHiSpdTimer1_mS_u16	57034	
k_AutoCntrHiSpdTimer2_mS_u16	26664	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	60.1197929	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	469.973907	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	236.657074	
k_AutoCntrHiSpdTimer4_mS_u16	25061	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	40.504673	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0670000017	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.000500000024	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	415.313232	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.79858875	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	84.7403259	
k_AutoCntrLoSpdTimer1_mS_u16	40437	
k_AutoCntrLoSpdTimer2_mS_u16	13059	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	1	
k SLDHwAuthority Ille f32		
k_SLPHwAuthority_UIs_f32	0.152999997	
k_SLPHWAUthority_Uis_132 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0.152999997 872.388977	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	872.388977 0	
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target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	872.388977 0 1 target_Pim_MotPosReset 3304439296 Actual Value 469.973907 469.973907 469.973907 ± 0.2 236.657074 236.657074 20 20 ± 0.04 60.1197929 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 25061 ± 2 3304439296 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.25663627181805 6.2584877e-006 643.884338 123.333405 123.333405 123.333405 123.333405 100 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 26664 ± 2 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 2.51531601e-005 0.000113070011 0.000113090937 ± 1.25663627181805	E-06
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target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Lnst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TimPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	872.388977 0 1 target_Pim_MotPosReset 3304439296 Actual Value 469.973907 236.657074 236.657074 20 60.1197929 60.1197929 60.1197929 57034 57034 25061 25061 25061 25061 25061 25081±2 3304439296 3304439296 3304439296 6.28816548e-006 ± 1.25663627181805 643.884338 643.884338 643.884338 643.884338 643.884338 643.884338 643.884338 643.89338 ± 0.2 123.333405 100 100 100 100 100 100 100 100 100 1	E-06 E-06 E-06
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetPosPd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetPol_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.TitPinTrq_HwNm_f32	872.388977 0 1 target_Pim_MotPosReset 3304439296 Actual Value 469.973907 236.657074 236.657074 20 60.1197929 60.1197929 60.1197929 57034 57034 25061 25061 25061 25061 25081±2 3304439296 3304439296 3304439296 0.000841617584 0.000841592497±1.25663627181805 643.884338 643.884338±0.2 123.333405 123.333405 123.333405 120.000841592497±1.25663627181805 644.884338 643.884338±0.2 123.33405±0.5 7.05844259 7.05844259 304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3415.313232 415.313232 415.313232 415.313232±0.2	E-06
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Lnst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32	872.388977 0 1 target_Pim_MotPosReset 3304439296 Actual Value 469.973907 236.657074 236.657074 20 60.1197929 60.1197929 60.1197929 57034 57034 25061 25061 25061 25061 25061 25081±2 3304439296 3304439296 3304439296 6.28816548e-006 ± 1.25663627181805 643.884338 643.884338 643.884338 643.884338 643.884338 643.884338 643.884338 643.89338 ± 0.2 123.333405 100 100 100 100 100 100 100 100 100 1	E-06 E-06 E-06





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3304439296	3304439296	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.2584877e-006	6.28316548e-006 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn SLPHwPos HwDeg M f32	0	0	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k AutoCntrHiSpdCntrWindow HwDeg f32	43.0070915		
k AutoCntrHiSpdFilt1Kn Hz f32	0.0049999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0340000018		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	532.273438		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.9590406		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	239.526199		
k_AutoCntrHiSpdTimer1_mS_u16	56740		
k_AutoCntrHiSpdTimer2_mS_u16	27775		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	99.817543		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	9.99269104		
k_AutoCntrHiSpdTimer4_mS_u16	18881		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	84.9841919		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00600000005		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00449999981		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	328.558777		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	13.5039825		
k AutoCntrLoSpdTimer1VehSpd kph f32	138.992935		
k_AutoCntrLoSpdTimer1_mS_u16	2291		
k AutoCntrLoSpdTimer2 mS u16	58929		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.0049999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.159600005		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	848.356018		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344		
Name	Actual Value Expected Value	Resul	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0 0 ± 0.2		
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	9.99269104 9.99269104 ± 0.5		
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20 20 ± 0.04		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	99.817543 99.817543 ± 0.0625		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	56740 56740 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18881 18881 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2167769344 2167769344		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2167769344 2167769344		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-06		
VehDyn AutoCntrDetSnd M str RelHwPosEilt2SV HwDeg str K Llls f32			
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str_MtrVel_MtrRadpS_f32	5.65648079e-005 5.65470691e-005 ± 1.25663627181805E-06 532 273438 + 0.2		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	532.273438 ± 0.2		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	532.273438 532.273438 ± 0.2 239.526199 239.526199 ± 0.5	•	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	532.273438 532.273438 ± 0.2 239.526199 239.526199 ± 0.5 14.9590406 14.9590406 ± 0.04		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	532.273438 532.273438 ± 0.2 239.526199 239.526199 ± 0.5 14.9590406 14.9590406 ± 0.04 43.0070915 43.0070915 ± 0.0625	•	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	532.273438 532.273438 ± 0.2 239.526199 239.526199 ± 0.5 14.9590406 14.9590406 ± 0.04 43.0070915 43.0070915 ± 0.0625 56740 56740 ± 2	•	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	532.273438 532.273438 ± 0.2 239.526199 239.526199 ± 0.5 14.9590406 14.9590406 ± 0.04 43.0070915 43.0070915 ± 0.0625 56740 56740 ± 2 27775 27775 ± 2		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.5039825	13.5039825 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	84.9841919	84.9841919 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291	2291 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929	58929 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2167769344	2167769344	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2167769344	2167769344	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	5.65648079e-005	5.65470691e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.159600005	0.159600005	~
VehDyn_SLPHwPos_HwDeg_M_f32	848.356018	848.356018	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.32 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	84.4737091		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	609.83606		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.01206732		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	158.11969		
k_AutoCntrHiSpdTimer1_mS_u16	42810		
k_AutoCntrHiSpdTimer2_mS_u16	28886		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	78.8331146		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.0596523		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	195.407715		
k_AutoCntrHiSpdTimer4_mS_u16	10213		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.3693123		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00779999979		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0430000015		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	209.013977		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	17.8311005		
k AutoCntrLoSpdTimer1VehSpd kph f32	20.6569824		
k AutoCntrLoSpdTimer1 mS u16	38868		
k_AutoCntrLoSpdTimer2_mS_u16	57944		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001		
k SLPEnableBFCheck Cnt lgc	1		
k SLPHwAuthority Uls f32	0.166199997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	824.322998		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504		
		I	
Name	Actual Value Expected Value	Resu	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700 700 ± 0.2		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	195.407715 195.407715 ± 0.5		
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.0596523		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.8331146 ± 0.0625		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42810 42810 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	10213 10213 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3714197504 3714197504		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3714197504 3714197504		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-06		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000540196896 0.000540207955 ± 1.25663627181805E-06		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	609.83606 ± 0.2		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	158.11969 158.11969 ± 0.5		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.01206732 3.01206756 ± 0.04		
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	84.4737091		
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42810 42810 ± 2		
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	28886 ± 2		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504 3714197504		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3714197504 3714197504		





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	209.013977	209.013977 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	20.6569824	20.6569824 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	17.8311005	17.8311005 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.3693123	41.3693123 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868	38868 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944	57944 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3714197504	3714197504	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000540196896	0.000540207955 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.33 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	15.5979691	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0320999995	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	579.395874	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.52602291	
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	32.8235931	
<_AutoCntrHiSpdTimer1_mS_u16	20288	
<_AutoCntrHiSpdTimer2_mS_u16	29997	
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	17.897419	
C_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	334.049988	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.106655896	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	18.8970184	
k_AutoCntrHiSpdTimer4_mS_u16	39085	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	73.1804352	
<_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004	
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	436.510376	
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.4573536	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	162.399216	
x_AutoCntrLoSpdTimer1_mS_u16	53970	
x_AutoCntrLoSpdTimer2_mS_u16	52282	
AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0320999995	
_SLPEnableBFCheck_Cnt_lgc	0	
<_SLPHwAuthority_Uls_f32	0.172800004	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	800.289978	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
gt_GetSystemTime_mS_u32_CurrentTime	3323480832	
Name	Actual Value Expected Value	Resu
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	334.049988 ± 0.2	
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	18.8970184 18.8970184 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0.106655896	
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	17.897419 17.897419 ± 0.0625	
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	20288 ± 2	
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	39085 ± 2	
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3323480832 3323480832	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3323480832 3323480832	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181805E-	06
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	579.395874 579.395874 ± 0.2	
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	32.8235931 32.8235931 ± 0.5	
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	7.52602291 7.52602291 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	15.5979691 15.5979691 ± 0.0625	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20288	20288 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	29997	29997 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3323480832	3323480832	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	436.510376	436.510376 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	162.399216	162.399216 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.4573536	10.4573536 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	73.1804352	73.1804352 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970	53970 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282	52282 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3323480832	3323480832	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.172800004	0.172800004	✓
VehDyn_SLPHwPos_HwDeg_M_f32	800.289978	800.289978	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T Igc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2		
k AutoCntrHiSpdCntrWindow HwDeg f32	19.5605583		
k AutoCntrHiSpdFilt1Kn Hz f32	0.0560000017		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	572.561157		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	10		
k AutoCntrHiSpdTimer1VehSpd kph f32	193.532913		
k AutoCntrHiSpdTimer1 mS u16	16201		
k_AutoCntrHiSpdTimer2_mS_u16	54439		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	75.1727753		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	20		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	12.4131937		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	52.6185455		
k AutoCntrHiSpdTimer4 mS u16	54779		
k AutoCntrLoSpdCntrWindow HwDeg f32	27.0724258		
k AutoCntrLoSpdFilt1Kn Hz f32	0.00200000009		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00899999961		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	199.42067		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	7.28609991		
k AutoCntrLoSpdTimer1VehSpd kph f32	255		
k AutoCntrLoSpdTimer1 mS u16	18002		
k_AutoCntrLoSpdTimer2_mS_u16	18842		
k AutoCntrPinTrgLPFCoeffKn Hz f32	0.0560000017		
k SLPEnableBFCheck Cnt lgc	0		
k SLPHwAuthority Uls f32	0.317999989		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	271.563995		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3524313344		
Name	Actual Value Expected Value	Resul	
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	20 20 ± 0.2	Resui	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	52.6185455 52.6185455 ± 0.5		
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	12.4131937 12.4131937 ± 0.04		
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	75.1727753 75.1727753 ± 0.0625		
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	16201 16201 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_ms_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_ms_u16	54779 54779 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer2Tnresh_nts_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3524313344 3524313344		
VehDyn AutoCntrDetSpd M str.Timer1_ms_us2 VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3524313344 3524313344 3524313344		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011 0.000113090937 ± 1.25663627181805E-0	-	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	572.561157	572.561157 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	193.532913	193.532913 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10	10 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	19.5605583	19.5605583 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16201	16201 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	54439	54439 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	199.42067	199.42067 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.28609991	7.28609991 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	27.0724258	27.0724258 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	18002	18002 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18842	18842 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.317999989	0.317999989	~
VehDyn_SLPHwPos_HwDeg_M_f32	271.563995	271.563995	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc)	target Rte Call Ap VehDyn NxtrDiagMgr	GetNTCActive NTCActive Ptr T lgc	
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	49.3403549		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0850000009		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	370.660736		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.1525526		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	221.258759		
k_AutoCntrHiSpdTimer1_mS_u16	7034		
k_AutoCntrHiSpdTimer2_mS_u16	31108		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	61.0589485		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	147.148361		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.9904881		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	0		
k_AutoCntrHiSpdTimer4_mS_u16	119		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	66.5350952		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0344000012		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	454.12265		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.94327784		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	104.969391		
k_AutoCntrLoSpdTimer1_mS_u16	20423		
k_AutoCntrLoSpdTimer2_mS_u16	31368		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0850000009		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.179399997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	776.257019		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	71426560		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	147.148361	147.148361 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.9904881	12.9904871 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	61.0589485	61.0589485 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034	7034 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	119	119 ± 2	•





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	71426560	71426560	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	71426560	71426560	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	370.660736	370.660736 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	221.258759	221.258759 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.1525526	13.1525526 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	49.3403549	49.3403549 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034	7034 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31108	31108 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	71426560	71426560	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	454.12265	454.12265 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	104.969391	104.969391 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.94327784	3.94327784 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	66.5350952	66.5350952 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423	20423 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368	31368 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	71426560	71426560	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	71426560	71426560	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	

Test Step 2.36 (Repeat Count = 1)			*
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTim	e	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMg	r_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	81.7051773		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	275.970886		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.2052765		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	10.3126373		
k_AutoCntrHiSpdTimer1_mS_u16	30504		
k_AutoCntrHiSpdTimer2_mS_u16	32219		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	66.4485626		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	625.957947		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.7019682		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	255		
k_AutoCntrHiSpdTimer4_mS_u16	45323		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.044548		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0458000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00200000009		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	184.918839		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.828949		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	245.86824		
k_AutoCntrLoSpdTimer1_mS_u16	7034		
k_AutoCntrLoSpdTimer2_mS_u16	39056		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.186000004		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	752.223999		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg$	c 1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2430672128		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	625.957947	625.957947 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.7019682	15.7019682 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	66.4485626	66.4485626 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30504	30504 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	45323	45323 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2430672128	2430672128	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2430672128	2430672128	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	275.970886	275.970886 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	10.3126373	10.3126373 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2052765	16.2052765 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	81.7051773	81.7051773 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30504	30504 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	32219	32219 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2430672128	2430672128	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2430672128	2430672128	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	184.918839	184.918839 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	245.86824	245.86824 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.828949	18.828949 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.044548	41.044548 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034	7034 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056	39056 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2430672128	2430672128	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2430672128	2430672128	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0.186000004	0.186000004	~
VehDyn_SLPHwPos_HwDeg_M_f32	752.223999	752.223999	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Name	Input Value
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
<_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664
x_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	575.91394
x_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.9376688
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	204.072876
<_AutoCntrHiSpdTimer1_mS_u16	5222
<_AutoCntrHiSpdTimer2_mS_u16	33330
<_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	93.8445969
<_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844
<_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	8.16609764
<_AutoCntrHiSpdTimer4VehSpd_kph_f32	68.0500031
<_AutoCntrHiSpdTimer4_mS_u16	31042
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.9834061
<_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.818787
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.82910013
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	29.3435669
<_AutoCntrLoSpdTimer1_mS_u16	25532
<_AutoCntrLoSpdTimer2_mS_u16	27401
<_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
<pre><_SLPEnableBFCheck_Cnt_lgc</pre>	1
<_SLPHwAuthority_Uls_f32	0.192599997
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	728.190979
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgd	0
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	2242866176		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	312.352844	312.352844 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	68.0500031	68.0500031 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.16609764	8.16609764 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	93.8445969	93.8445969 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31042	31042 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	575.91394	575.91394 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	204.072876	204.072876 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.9376688	8.9376688 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0222664	32.0222664 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	33330	33330 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2242866176	2242866176	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.818787	195.818787 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.9834061	95.9834061 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532	25532 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401	27401 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2242866176	2242866176	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2242866176	2242866176	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.38 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	43.6620522
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0149999997
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	448.286377
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	144.583755
k_AutoCntrHiSpdTimer1_mS_u16	0
k_AutoCntrHiSpdTimer2_mS_u16	41107
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	62.654911
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	608.513794
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	11.5653687
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	65
k_AutoCntrHiSpdTimer4_mS_u16	51504
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	91.3417435
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	487.27597
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.8190889
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	254.395218
k_AutoCntrLoSpdTimer1_mS_u16	30404
k_AutoCntrLoSpdTimer2_mS_u16	30349
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.238800004





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	559.960022		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2303132928		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	608.513794	608.513794 ± 0.2	-
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	65	65 ± 0.5	•
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	11.5653687	11.5653687 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	62.654911	62.654911 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51504	51504 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2303132928	2303132928	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2303132928	2303132928	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	448.286377	448.286377 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	144.583755	144.583755 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	43.6620522	43.6620522 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41107	41107 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2303132928	2303132928	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2303132928	2303132928	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188469887	0.000188477788 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	487.27597	487.27597 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	254.395218	254.395218 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8190889	12.8190889 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	91.3417435	91.3417435 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404	30404 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349	30349 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2303132928	2303132928	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2303132928	2303132928	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.238800004	0.238800004	•
VehDyn SLPHwPos HwDeg M f32	559.960022	559.960022	-

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.39 (Repeat Count = 1)	→ The second of the secon
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.2738266
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	460.901886
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.00629902
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	92.026535
k_AutoCntrHiSpdTimer1_mS_u16	16931
k_AutoCntrHiSpdTimer2_mS_u16	34441
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.3993683
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	119.134666
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	103.723984
k_AutoCntrHiSpdTimer4_mS_u16	51145
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	65.2026672
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	581.690918
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.79465103
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	236.401962
k_AutoCntrLoSpdTimer1_mS_u16	46296

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VehDyn_Init1

Name	Input Value		
k_AutoCntrLoSpdTimer2_mS_u16	9393		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.00899999961		
k SLPEnableBFCheck Cnt lgc	0		
k SLPHwAuthority Uls f32	0.199200004		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	704.15802		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg	c 1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2269150976		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666	119.134666 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	103.723984	103.723984 ± 0.5	•
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	0	0 ± 0.04	•
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	51.3993683	51.3993683 ± 0.0625	•
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	16931	16931 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51145	51145 ± 2	•
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2269150976	2269150976	-
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2269150976	2269150976	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	460.901886	460.901886 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	92.026535	92.026535 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.00629902	8.00629902 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	7.2738266	7.2738266 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34441	34441 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	581.690918	581.690918 ± 0.2	-
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.401962	236.401962 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.79465103	6.79465103 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	65.2026672	65.2026672 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46296	46296 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	9393	9393 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0.199200004	0.199200004	-
VehDyn_SLPHwPos_HwDeg_M_f32	704.15802	704.15802	·

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	V

Test Step 2.40 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.5981827
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	160.17424
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.19048309
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	28.4624329
k_AutoCntrHiSpdTimer1_mS_u16	20459
k_AutoCntrHiSpdTimer2_mS_u16	35552
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	53.1939697
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	201.577209
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	194.557587
k_AutoCntrHiSpdTimer4_mS_u16	55301
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	52.1249008
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001





Name	Input Value		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	578.046082		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.1874886		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	158.773651		
k_AutoCntrLoSpdTimer1_mS_u16	21486		
k_AutoCntrLoSpdTimer2_mS_u16	38584		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.205799997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	680.125		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3533260288		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	201.577209	201.577209 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	194.557587	194.557587 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.1939697	53.1939697 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20459	20459 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	55301	55301 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3533260288	3533260288	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3533260288	3533260288	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	160.17424	160.17424 ± 0.2	-
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	28.4624329	28.4624329 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19048309	4.19048309 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.5981827	91.5981827 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20459	20459 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	35552	35552 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3533260288	3533260288	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3533260288	3533260288	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	578.046082	578.046082 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	158.773651	158.773651 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1874886	16.1874886 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.1249008	52.1249008 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21486	21486 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	38584	38584 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3533260288	3533260288	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3533260288	3533260288	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.41 (Repeat Count = 1) Name	Input Value
	· ·
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	29.3254967
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	677.585876
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.90520477
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	186.264114
k_AutoCntrHiSpdTimer1_mS_u16	55165
k_AutoCntrHiSpdTimer2_mS_u16	36663
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	39.3708954
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	525.822998
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	14.0500002
k AutoCntrHiSpdTimer4VehSpd kph f32	44.416153





Name	Input Value		
k_AutoCntrHiSpdTimer4_mS_u16	40693		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	22.5556393		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00200000009		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	413.003265		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	4.57800722		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	89.0179596		
k_AutoCntrLoSpdTimer1_mS_u16	24720		
k_AutoCntrLoSpdTimer2_mS_u16	36760		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.212400004		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	656.09198		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	812314880		
Name	Actual Value	Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	525.822998	525.822998 ± 0.2	•
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	44.416153	44.416153 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.0500002	14.0500002 ± 0.04	
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	39.3708954	39.3708954 ± 0.0625	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	55165	55165 ± 2	٠,
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	40693	40693 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	812314880	812314880	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	812314880	812314880	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	677.585876	677.585876 ± 0.2	
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	186.264114	186.264114 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.90520477	7.90520477 ± 0.04	٠,
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	29.3254967	29.3254967 ± 0.0625	
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	55165	55165 ± 2	
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	36663	36663 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	812314880	812314880	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	812314880	812314880	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	٠,
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	413.003265	413.003265 ± 0.2	٠,
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	89.0179596	89.0179596 ± 0.5	
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	4.57800722	4.57800722 ± 0.04	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	22.5556393	22.5556393 ± 0.0625	
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	24720	24720 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36760	36760 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	812314880	812314880	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	812314880	812314880	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	٠,
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	
VehDyn SLPHwAuth Uls M f32	0.212400004	0.212400004	
VehDyn SLPHwPos HwDeg M f32	656.09198	656.09198	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.42 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	88.5801086	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	525.752197	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.4235058	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrHiSpdTimer1_mS_u16	42277	
k_AutoCntrHiSpdTimer2_mS_u16	52217	





Name	Input Value		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	38.5221024		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	265.609314		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	3		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	196.135361		
k_AutoCntrHiSpdTimer4_mS_u16	54573		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	58.6687202		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	72.2188644		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.45036793		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	172.141464		
k_AutoCntrLoSpdTimer1_mS_u16	47724		
k_AutoCntrLoSpdTimer2_mS_u16	1764		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.304800004		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	319.630005		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4195077888		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	265.609314	265.609314 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.135361	196.135361 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3	3 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	38.5221024	38.5221024 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42277	42277 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	54573	54573 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	525.752197	525.752197 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.4235058	13.4235058 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5801086	88.5801086 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42277	42277 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52217	52217 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4195077888	4195077888	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	72.2188644	72.2188644 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	172.141464	172.141464 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.45036793	5.45036793 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	58.6687202	58.6687202 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	47724	47724 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	1764	1764 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0.304800004	0.304800004	~
VehDyn_SLPHwPos_HwDeg_M_f32	319.630005	319.630005	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.43 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	92.2299118	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00980000012	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	235.852432	

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Name	Input Value		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	18.6467209		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	179.530945		
k_AutoCntrHiSpdTimer1_mS_u16	51432		
k_AutoCntrHiSpdTimer2_mS_u16	37774		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	598.552856		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.44533634		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	239.762329		
k_AutoCntrHiSpdTimer4_mS_u16	57193		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	58.8585777		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00200000009		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	691.251282		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	9.38685799		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	38.2069092		
k_AutoCntrLoSpdTimer1_mS_u16	44855		
k_AutoCntrLoSpdTimer2_mS_u16	51238		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.218999997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	632.059021		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3345084416		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	598.552856	598.552856 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	239.762329	239.762329 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.44533634	4.44533634 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51432	51432 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57193	57193 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3345084416	3345084416	_
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3345084416	3345084416	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	235.852432	235.852432 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	179.530945	179.530945 ± 0.5	~
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	18.6467209	18.6467209 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	92.2299118	92.2299118 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51432	51432 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	37774	37774 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3345084416	3345084416	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3345084416	3345084416	✓
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000123143196	0.000123142847 ± 1.25663627181805E-06	~
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	691.251282	691.251282 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	38.2069092	38.2069092 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.38685799	9.38685799 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	58.8585777	58.8585777 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	44855	44855 ± 2	~
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	51238	51238 ± 2	~
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3345084416	3345084416	_
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3345084416	3345084416	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn PinTrqSV M str.K Uls f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	-
. ,	1.	1.	-

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.44 (Repeat Count = 1)		✓
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
$Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)$	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	





Name	Input Value		
k AutoCntrHiSpdCntrWindow HwDeg f32	41.6950645		
k AutoCntrHiSpdFilt1Kn Hz f32	0.0250000004		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00989999995		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	463.985962		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	8.70262909		
	255		
k_AutoCntrHiSpdTimer1 ws_u16	12734		
k_AutoCntrHiSpdTimer1_mS_u16	38885		
k_AutoCntrHiSpdTimer2_mS_u16			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	100 179.399078		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	12.4598589		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	82.9581757		
k_AutoCntrHiSpdTimer4_mS_u16	10910		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	75.6018066		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0049999989		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	638.585999		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	4.9565835		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	122.874435		
k_AutoCntrLoSpdTimer1_mS_u16	26195		
k_AutoCntrLoSpdTimer2_mS_u16	22037		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.225600004		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	608.026001		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2704864000		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	179.399078	179.399078 ± 0.2	~
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	82.9581757	82.9581757 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.4598589	12.4598589 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	V
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12734	12734 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	10910	10910 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2704864000	2704864000	-
	2704864000	2704864000	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	6.28232956e-005		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		6.28298803e-005 ± 1.25663627181805E-06 0.000432189729 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	463.985962	463.985962 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.70262909	8.70262909 ± 0.04	V
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.6950645	41.6950645 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12734	12734 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38885	38885 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2704864000	2704864000	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2704864000	2704864000	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000124394894	0.000124399332 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	638.585999	638.585999 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	122.874435	122.874435 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.9565835	4.9565835 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.6018066	75.6018066 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195	26195 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037	22037 ± 2	•
· · · · · · · · · · · · · · · · · · ·	2704864000	2704864000	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	27 04004000		✓
	2704864000	2704864000	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32		2704864000 6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2704864000		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2704864000 6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2704864000 6.28232956e-005 0.000432193279	6.28298803e-005 ± 1.25663627181805E-06 0.000432189729 ± 1.25663627181805E-06	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•





Test Step 2.45 (Repeat Count = 1)		v
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	75.4518967	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00749999983	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	573.473022	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	1.88103604	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	99.2100525	
k_AutoCntrHiSpdTimer1_mS_u16	4764	
k_AutoCntrHiSpdTimer2_mS_u16	39996	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	79.0500031	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	243.44046	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.900116	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.667511	
k_AutoCntrHiSpdTimer4_mS_u16	16349	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	46.103508	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00520000001	
k_AutoCottrLoSpdFilt2Kn_Hz_f32	0.0458000004	
k_AutoCotrl oSpdTimer1MtrVel_MtrRadpS_f32	159.033066	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.4460754	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	56.1687317	
k_AutoCotrl oSpdTimer1_mS_u16	43190	
k_AutoCntrDinTrgl PECoeff(n Hz f32	3186 0.063000001	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 k SLPEnableBFCheck Cnt lqc	1	
	0.232199997	
k_SLPHwAuthority_Uls_f32 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	583.992981	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	662694400	
Name	Actual Value Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	243.44046 243.44046 ± 0.2	Resul
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.667511 17.667511 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.900116 17.900116 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	79.0500031 79.0500031 ± 0.0625	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	70.0000001 ± 0.0020	
	4764 + 2	
	4764 4764 ± 2 16349 16349 + 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16349 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	16349 16349 ± 2 662694400 662694400	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	16349 16349 ± 2 662694400 662694400 662694400 662694400	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0	6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0	6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2	6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5	6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04	6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625	6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625	5
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400	6
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VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400	66
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0	6 6
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VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MttrVel_MtrRadpS_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.42349434e-005 9.42433398e-005 ± 1.25663627181805E-0 159.033066 159.033066 ± 0.2	6 6
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VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrVindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.42349434e-005 9.42433398e-005 ± 1.25663627181805E-0 159.033066 159.033066 ± 0.2 56.1687317 56.1687317 ± 0.5 18.4460754 18.4460754 ± 0.04	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	16349 16349 ± 2 662694400 662694400 652694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.42349434e-005 9.42433398e-005 ± 1.25663627181805E-0 159.033066 159.033066 ± 0.2 56.1687317 56.1687317 ± 0.5 18.4460754 46.103508 ± 0.0625	66
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.42349434e-005 9.42433398e-005 ± 1.25663627181805E-0 159.033066 159.033066 ± 0.2 56.1687317 56.1687317 ± 0.5 18.4460754 18.4460754 ± 0.04 46.103508 46.103508 ± 0.0625 43190 43190 ± 2	66
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u26 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 39996 39996 ± 2 662694400 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.42349434e-005 9.4243398e-005 ± 1.25663627181805E-0 159.033066 159.033066 ± 0.2 56.1687317 56.1687317 ± 0.5 18.4460754 18.4460754 ± 0.04 46.103508 46.103508 ± 0.0625 43190 43190 ± 2 3186 3186 ± 2	66
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.423349434e-005 9.42433398e-005 ± 1.25663627181805E-0 159.033066 159.033066 ± 0.2 56.1687317 56.1687317 ± 0.5 18.4460754 18.4460754 ± 0.04 46.103508 46.103508 ± 0.0625 43190 43190 ± 2 3186 3186 ± 2 662694400 662694400	66
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.42433398e-005 ± 1.25663627181805E-0 159.033066 159.033066 159.033066 ± 0.2 56.1887317 56.1887317 ± 0.5 18.4460754 18.4460754 ± 0.04 46.103508 46.103508 ± 0.0625 43190 43190 ± 2 3186 3186 ± 2 662694400 662694400 662694400 662694400	666
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.423439434e-005 9.42433398e-005 ± 1.25663627181805E-0 159.033066 159.033066 ± 0.2 56.1687317 56.1687317 ± 0.5 18.4460754 18.4460754 ± 0.04 46.103508 46.103508 ± 0.0625 43190 43190 ± 2 3186 3186 ± 2 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400	66
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-0 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 ± 0.0625 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 662694400 662694400 0.000791370869 0.000791368075 ± 1.25663627181805E-0 9.42349434e-005 9.42433398e-005 ± 1.25663627181805E-0 159.033066 159.033066 ± 0.2 56.1687317 56.1687317 ± 0.5 18.4460754 18.4460754 ± 0.04 46.103508 46.103508 ± 0.0625 43190 43190 ± 2 3186 3186 ± 2 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400	6 6



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	~

Test Step 2.46 (Repeat Count = 1)		•
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	96.1530533	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	328.049988	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.2922134	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	42.3900299	
k_AutoCntrHiSpdTimer1_mS_u16	44765	
k_AutoCntrHiSpdTimer2_mS_u16	49995	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	225.86203	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.1959343	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	253.171951	
k AutoCntrHiSpdTimer4 mS u16	45170	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.388649	
k AutoCntrLoSpdFilt1Kn Hz f32	0.00499999989	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0560000017	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	403.203857	
- · · · · · · · · · · · · · · · · · · ·	18.2375278	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.23/52/8	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32		
k_AutoCntrLoSpdTimer1_mS_u16	51139	
k_AutoCntrLoSpdTimer2_mS_u16	36841	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	0	
<_SLPHwAuthority_Uls_f32	0.291599989	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	367.696014	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1711664384	
Name	Actual Value Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	225.86203 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	253.171951 253.171951 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.1959343	١.
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5 ± 0.0625	
VobDum AutoCateDatCad M ata Timond There is an Control		
vendyn Autountrdetopa ivi str. imer'i infesn mo u16	44765 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	45170 45170 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	45170 45170 ± 2 1711664384 1711664384	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384	,
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384	
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VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 403.203857 403.203857 ± 0.2 216.894852 216.894852 ± 0.5 18.2375278 18.2375278 ± 0.04 99.388649 99.388649 ± 0.0625 51139 51139 ± 2 36841 36841 ± 2 1711664384 1711664384	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-0	6 🗸
VehDyn_SLPHwAuth_Uls_M_f32	0.291599989	0.291599989	•
VehDyn SLPHwPos HwDeg M f32	367.696014	367.696014	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.47 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	43.6620522	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0149999997	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	448.286377	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	144.583755	
k_AutoCntrHiSpdTimer1_mS_u16	0	
k_AutoCntrHiSpdTimer2_mS_u16	41107	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	62.654911	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	608.513794	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	11.5653687	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	76.64888	
k_AutoCntrHiSpdTimer4_mS_u16	51504	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	91.3417435	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0049999989	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	487.27597	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.8190889	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	254.395218	
k_AutoCntrLoSpdTimer1_mS_u16	30404	
k_AutoCntrLoSpdTimer2_mS_u16	30349	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_UIs_f32	0.238800004	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	559.960022	
	559.900022	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	1	
$target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc \\ target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc \\ \\$	1 1 target_Pim_MotPosReset	Resu
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name	1 1 target_Pim_MotPosReset 2303132928	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	1 1 target_Pim_MotPosReset 2303132928 Actual Value	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 Expected Value 608.513794 ± 0.2	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 ± 0.2 76.64888 76.64888 ± 0.5 11.5653687 11.5653687 ± 0.04	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 608.513794 ± 0.2 76.64888 76.64888 76.64888 ± 0.5 11.5653687 11.5653687 62.654911 62.654911 62.654911 ± 0.0625	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 608.513794 ± 0.2 76.64888 76.64888 76.64888 ± 0.5 11.5653687 11.5653687 62.654911 62.654911 0 0 0 ± 2	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 76.64888 76.64888 76.64888 76.64888 ± 0.5 11.5653687 11.5653687 11.5653687 ± 0.04 62.654911 62.654911 ± 0.0625 0 0 ± 2 51504 51504	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 76.64888 76.64888 76.64888 + 0.5 11.5653687 11.5653687 + 0.04 62.654911 62.654911 62.654911 62.654911 51504 51504 51504 2303132928 2303132928	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 76.64888 76.64888 76.64888 76.64888 11.5653687 11.5653687 11.5653687 10.04 62.654911 62.654911 62.654911 62.654911 62.654911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911 62.634911	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1 1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 ± 0.2 76.64888 76.64888 ± 0.5 11.5653687 11.5653687 ± 11.5653687 ± 0.04 62.654911 62.654911 62.654911 62.654911 51504 51504 51504 2303132928 2303132928 2303132928 2303132928 0.000403285027 0.000403299142 ± 1.25663627181805E-6	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1 1 1 target_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 ± 0.2 76.64888 76.64888 ± 0.5 11.5653687 11.5653687 ± 11.5653687 ± 0.04 62.654911 62.654911 62.654911 62.654911 ± 0.0625 0 0 ± 2 51504 51504 ± 2 2303132928 2303132928 2303132928 2303132928 0.000403285027 6.28238803e-005 ± 1.25663627181805E-662823956e-005	06
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target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 1 1 1 1arget_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 76.64888 76.64888 76.64888 ± 0.5 11.5653687 11.5653687 62.654911 62.654911 62.654911 ± 0.0625 0 0 1±2 51504 2303132928 2303132928 2303132928 2303132928 2303132928 0.000403285027 6.28232956e-005 6.28232956e-005 6.2823956e-005 448.286377 144.583755 144.583755 120 20 ± 0.04 43.6620522 43.6620522 43.6620522 ± 0.0625 0 0 0 ± 2 41107 41107 ± 2 2303132928 2303132928 2303132928 2303132928 2303132928	06
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target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	06 06
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_	1 1 1 1 1 1arget_Pim_MotPosReset 2303132928 Actual Value 608.513794 608.513794 608.513794 76.64888 76.64888 76.64888 76.64888 + 0.5 11.5653687 11.5653687 11.5653687 62.654911 62.654911 62.654911 ± 0.0625 0 0 5 ± 2 51504 2303132928 2303132928 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 145.583758 144.583755 145.583758 144.583755 145.583758 145.583758 146.20522 147.00 157.00	06 06 06
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hrs_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	06 06 06
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetPel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.TitPinTrq_HwNm_f32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	06
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	06 06 06

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VehDyn_Init1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2303132928	2303132928	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2303132928	2303132928	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.238800004	0.238800004	•
VehDyn SLPHwPos HwDeg M f32	559.960022	559.960022	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.48 (Repeat Count = 1) Name	Input Value	
	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	75.7771378	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	170.210068	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	9.64343548	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	112.884521	
k_AutoCntrHiSpdTimer1_mS_u16	60000	
k_AutoCntrHiSpdTimer2_mS_u16	42218	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	97.1869812	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	601.888977	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	166.376648	
k_AutoCntrHiSpdTimer4_mS_u16	57879	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	28.5844917	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	686.9823	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.86307621	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	33.3876343	
k_AutoCntrLoSpdTimer1_mS_u16	10412	
k_AutoCntrLoSpdTimer2_mS_u16	3277	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0049999989	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.245399997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	535.927002	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4129141760	
Name	Actual Value Expected Value	Resu
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	601.888977 601.888977 ± 0.2	,
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.376648 166.376648 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20 20 ± 0.04	
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	97.1869812 97.1869812 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000 60000 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57879 57879 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4129141760 4129141760	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4129141760 4129141760	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	170.210068	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.64343548	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.7771378	
VehDyn_AutoCotrl ISad_M_str.Timer1Thresh_mS_u16	60000 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	42218 42218 ± 2	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4129141760 4129141760	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4129141760 4129141760	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	686.9823 ± 0.2	`
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	33.3876343	



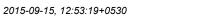


Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.86307621	7.86307621 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	28.5844917	28.5844917 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412	10412 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277	3277 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4129141760	4129141760	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4129141760	4129141760	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.49 (Repeat Count = 1)	le control de la	
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	36.63274	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	292.78537	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.4148769	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	70.7165985	
k_AutoCntrHiSpdTimer1_mS_u16	1500	
k_AutoCntrHiSpdTimer2_mS_u16	43329	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	14.9879189	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	291.415405	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.84722853	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	41.1777191	
k_AutoCntrHiSpdTimer4_mS_u16	44494	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.4213715	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0089999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	170.99588	
k AutoCntrLoSpdTimer1PinTrq HwNm f32	8.17953968	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	7.39476013	
k_AutoCntrLoSpdTimer1_mS_u16	16683	
k_AutoCntrLoSpdTimer2_mS_u16	22497	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012	
k SLPEnableBFCheck Cnt Igc	0	
k SLPHwAuthority Uls f32	0.252000004	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	511.894012	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2836768512	
		l
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	291.415405 ± 0.2	ļ .
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	41.1777191 41.1777191 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.84722853 ± 0.04	١.
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	14.9879189 14.9879189 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	1500 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	44494 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2836768512 2836768512	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2836768512 2836768512	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478 0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	292.78537 292.78537 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	70.7165985 70.7165985 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.4148769 15.4148769 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	36.63274 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	1500 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43329 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2836768512 2836768512	•
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2836768512 2836768512	

VehDyn_Init1





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	170.99588	170.99588 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	7.39476013	7.39476013 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.17953968	8.17953968 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	67.4213715	67.4213715 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683	16683 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497	22497 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2836768512	2836768512	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2836768512	2836768512	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.252000004	0.252000004	~
VehDyn_SLPHwPos_HwDeg_M_f32	511.894012	511.894012	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.50 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.1508331	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0458000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	263.707825	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.88711405	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	81.0172424	
k_AutoCntrHiSpdTimer1_mS_u16	38792	
k_AutoCntrHiSpdTimer2_mS_u16	44440	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	90.0811462	
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	417.567505	
k AutoCntrHiSpdTimer4PinTrg HwNm f32	13.1425486	
k AutoCntrHiSpdTimer4VehSpd kph f32	224.821381	
k_AutoCntrHiSpdTimer4_mS_u16	0	
k AutoCntrLoSpdCntrWindow HwDeg f32	89.9028549	
k AutoCntrLoSpdFilt1Kn Hz f32	0.00499999989	
 AutoCntrLoSpdFilt2Kn Hz f32 	0.063000001	
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	374.245026	
k AutoCntrLoSpdTimer1PinTrq HwNm f32	18.0723743	
k AutoCntrLoSpdTimer1VehSpd kph f32	88.4202576	
k AutoCntrLoSpdTimer1 mS u16	5235	
k AutoCntrLoSpdTimer2 mS u16	27074	
k AutoCntrPinTrgLPFCoeffKn Hz f32	0.0458000004	
<pre></pre> <pre>K_SLPEnableBFCheck_Cnt_lgc</pre>	1	
SLPHwAuthority Uls f32	0.258599997	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	487.860992	
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0	
rarget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2478427648	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	417.567505 417.567505 ± 0.2	11000
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	224.821381 224.821381 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.1425486 13.1425486 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	90.0811462 90.0811462 ± 0.0625	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	38792 38792 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	0 0±2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2478427648 2478427648	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2478427648 2478427648	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.2566362718180	5E-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.20223300000 1.25000027 10100 0.000791370869 0.000791368075 ± 1.25663627181805	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	263.707825 263.707825 ± 0.2	_ 00
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	81.0172424 81.0172424 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrg_HwNm_f32	5.88711405 5.88711405 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.1508331 77.1508331 ± 0.0625	

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38792	38792 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	44440	44440 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2478427648	2478427648	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2478427648	2478427648	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	374.245026	374.245026 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.4202576	88.4202576 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.0723743	18.0723743 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	89.9028549	89.9028549 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235	5235 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074	27074 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2478427648	2478427648	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2478427648	2478427648	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.51 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive	e_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	3.27935433		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989		
c_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009		
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	517.932861		
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.54822206		
x_AutoCntrHiSpdTimer1VehSpd_kph_f32	190.724686		
<pre></pre>	28556		
AutoCntrHiSpdTimer2_mS_u16	45551		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	95.2508621		
 AutoCntrHiSpdTimer4MtrVel MtrRadpS f32 	132.854568		
AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.87444711		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	41.7497711		
 AutoCntrHiSpdTimer4 mS u16 	60000		
AutoCntrLoSpdCntrWindow HwDeg f32	28.4195251		
AutoCntrLoSpdFilt1Kn Hz f32	0.00899999961		
AutoCntrLoSpdFilt2Kn Hz f32	0.00200000009		
AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	74.5651398		
AutoCntrLoSpdTimer1PinTrg HwNm f32	12.3046961		
<pre>c_AutoCntrLoSpdTimer1VehSpd_kph_f32</pre>	140.20314		
<pre>c_AutoCntrLoSpdTimer1_mS_u16</pre>	58736		
:_AutoCntrLoSpdTimer2_mS_u16	17880		
: AutoCntrPinTrqLPFCoeffKn Hz f32	0.0049999989		
SLPEnableBFCheck Cnt Igc	0		
SLPHwAuthority Uls f32	0.265199989		
arget Pim MotPosReset.NVMStoredLastPos HwDeg f32	463.828003		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
arget Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc	1		
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
gt GetSystemTime mS u32 CurrentTime	4180236544		
Name	Actual Value Expected Value	i i	Resi
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	132.854568 132.854568 ± 0.2		
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	41.7497711 41.7497711 ± 0.5		
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.87444711 2.87444711 ± 0.04		
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	95.2508621 95.2508621 ± 0.0625		
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	28556 28556 ± 2		
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000 60000 ± 2		
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4180236544 4180236544		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4180236544 4180236544		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg_str.K Uls_f32	0.000113070011 0.000113090937 ± 1.25	663627181805E-06	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51531601e-005 2.51324254e-005 ± 1.25		





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	517.932861	517.932861 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	190.724686	190.724686 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.54822206	4.54822206 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	3.27935433	3.27935433 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	28556	28556 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	45551	45551 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4180236544	4180236544	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4180236544	4180236544	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	74.5651398	74.5651398 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	140.20314	140.20314 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3046961	12.3046961 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	28.4195251	28.4195251 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	58736	58736 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	17880	17880 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4180236544	4180236544	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4180236544	4180236544	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.265199989	0.265199989	~
VehDyn_SLPHwPos_HwDeg_M_f32	463.828003	463.828003	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime	•	
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc)	target Rte Call Ap VehDyn NxtrDiagMgr	GetNTCActive NTCActive Ptr T Igo	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	25.0328922		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	612.468079		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.018939		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	63.774231		
k_AutoCntrHiSpdTimer1_mS_u16	16090		
k_AutoCntrHiSpdTimer2_mS_u16	46662		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	38.5810089		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	661.950806		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.5126753		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	111.386475		
k_AutoCntrHiSpdTimer4_mS_u16	2000		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	37.1736603		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	19.562748		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	236.276367		
k_AutoCntrLoSpdTimer1_mS_u16	17015		
k_AutoCntrLoSpdTimer2_mS_u16	58102		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.271800011		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	439.795013		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgctrices and the property of the propert$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3368466432		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	661.950806	661.950806 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	111.386475	111.386475 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.5126753	15.5126753 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	38.5810089	38.5810089 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16090	16090 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	2000	2000 ± 2	

VehDyn_Init1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3368466432	3368466432	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3368466432	3368466432	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	612.468079	612.468079 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	63.774231	63.774231 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.018939	13.018939 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25.0328922	25.0328922 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16090	16090 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	46662	46662 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3368466432	3368466432	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3368466432	3368466432	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.276367	236.276367 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19.562748	19.562748 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	37.1736603	37.1736603 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	17015	17015 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58102	58102 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3368466432	3368466432	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3368466432	3368466432	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	

Test Step 2.53 (Repeat Count = 1) Name	Input Value		
	•		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr	_Getin i Cactive_N i Cactive_Ptr_ i _igc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	22.7924805		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0344000012		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	•		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	14.1099701		
k_AutoCntrHiSpdTimer1_mS_u16	14255		
k_AutoCntrHiSpdTimer2_mS_u16	47773		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	98.5101929		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	181.227158		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.03372		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	237.210739		
k_AutoCntrHiSpdTimer4_mS_u16	1971		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	1.43633437		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00520000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	473.999298		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.8610411		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	137.791061		
k_AutoCntrLoSpdTimer1_mS_u16	37086		
k_AutoCntrLoSpdTimer2_mS_u16	772		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.278400004		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	415.761993		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgrame and the property of the property o$	c 1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	170564352		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	181.227158	181.227158 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	237.210739	237.210739 ± 0.5	•





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.03372	15.03372 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	98.5101929	98.5101929 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	14255	14255 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	1971	1971 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	170564352	170564352	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	170564352	170564352	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	14.1099701	14.1099701 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	22.7924805	22.7924805 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	14255	14255 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	47773	47773 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	170564352	170564352	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	170564352	170564352	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	473.999298	473.999298 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	137.791061	137.791061 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.8610411	10.8610411 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	1.43633437	1.43633437 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37086	37086 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	772	772 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	170564352	170564352	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	170564352	170564352	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.278400004	0.278400004	•
VehDyn_SLPHwPos_HwDeg_M_f32	415.761993	415.761993	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Test Step 2.54 (Repeat Count = 1)	·
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	36.1406059
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	700
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.1538467
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	158.649628
k_AutoCntrHiSpdTimer1_mS_u16	43706
k_AutoCntrHiSpdTimer2_mS_u16	4884
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	40.6512985
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	12.3902884
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.3508968
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	119.534821
k_AutoCntrHiSpdTimer4_mS_u16	5814
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	29.760561
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.061999999
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0350000001
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	11.0084457
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.93631697
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	104.043854
k_AutoCntrLoSpdTimer1_mS_u16	18398
k_AutoCntrLoSpdTimer2_mS_u16	39001
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.284999996
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	391.729004
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	625668608		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	12.3902884	12.3902884 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	119.534821	119.534821 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.3508968	18.3508968 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	40.6512985	40.6512985 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43706	43706 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	5814	5814 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	625668608	625668608	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	625668608	625668608	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	158.649628	158.649628 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.1538467	15.1538467 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	36.1406059	36.1406059 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43706	43706 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	48884	4884 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	625668608	625668608	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	625668608	625668608	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	11.0084457	11.0084457 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	104.043854	104.043854 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.93631697	6.93631697 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	29.760561	29.760561 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	18398	18398 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39001	39001 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	625668608	625668608	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	625668608	625668608	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.55 (Repeat Count = 1)	van de la company de la co
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	96.1530533
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	328.049988
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.2922134
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	42.3900299
k_AutoCntrHiSpdTimer1_mS_u16	44765
k_AutoCntrHiSpdTimer2_mS_u16	49995
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	69.3795242
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	225.86203
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.1959343
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	253.171951
k_AutoCntrHiSpdTimer4_mS_u16	45170
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.388649
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0560000017
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	403.203857
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.2375278
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	216.894852
k_AutoCntrLoSpdTimer1_mS_u16	51139
k_AutoCntrLoSpdTimer2_mS_u16	36841
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.291599989

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Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	367.696014		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1711664384		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	225.86203	225.86203 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	253.171951	253.171951 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.1959343	17.1959343 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	69.3795242	69.3795242 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	44765	44765 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	45170	45170 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1711664384	1711664384	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1711664384	1711664384	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	328.049988	328.049988 ± 0.2	•
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	42.3900299	42.3900299 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2922134	16.2922134 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1530533	96.1530533 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	44765	44765 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	49995	49995 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1711664384	1711664384	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1711664384	1711664384	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	403.203857	403.203857 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.894852	216.894852 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2375278	18.2375278 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.388649	99.388649 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	51139	51139 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36841	36841 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1711664384	1711664384	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1711664384	1711664384	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0.291599989	0.291599989	•
VehDyn SLPHwPos HwDeg M f32	367.696014	367.696014	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.56 (Repeat Count = 1)	√
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00989999995
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	20
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68037319
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226
k_AutoCntrHiSpdTimer1_mS_u16	30272
k_AutoCntrHiSpdTimer2_mS_u16	2904
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363
k_AutoCntrHiSpdTimer4_mS_u16	3628
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591
k_AutoCntrLoSpdTimer1_mS_u16	36412

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VehDyn_Init1

Name	Input Value		
k_AutoCntrLoSpdTimer2_mS_u16	14998		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.300000012		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-689.755981		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg	c 1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	-
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312	3941357312	•
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3941357312	3941357312	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	20	20 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	168.185226 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68037319	8.68037319 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904	2904 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3941357312	3941357312	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000124394894	0.000124399332 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054	499.624054 ± 0.2	-
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591	125.396591 ± 0.5	-
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.55805016	6.55805016 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	59.735672	59.735672 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	36412	36412 ± 2	•
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	14998	14998 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3941357312	3941357312	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0.30000012	0.30000012	•
VehDyn_SLPHwPos_HwDeg_M_f32	-689.755981	-689.755981	-

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	V

Test Step 2.57 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	64.1327362
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	320.858643
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.4043941
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	0
k_AutoCntrHiSpdTimer1_mS_u16	9606
k_AutoCntrHiSpdTimer2_mS_u16	51106
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	57.9277077
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	420.750946
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.9586134
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	110.432434
k_AutoCntrHiSpdTimer4_mS_u16	40701
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	76.8895721
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0670000017





Name	Input Value		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	70.1366196		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.44028044		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	211.513733		
k_AutoCntrLoSpdTimer1_mS_u16	19138		
k_AutoCntrLoSpdTimer2_mS_u16	31995		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.298200011		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	343.662994		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1568734208		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	420.750946	420.750946 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	110.432434	110.432434 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.9586134	13.9586134 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	57.9277077	57.9277039 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	9606	9606 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	40701	40701 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1568734208	1568734208	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1568734208	1568734208	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	320.858643	320.858643 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.4043941	11.4043941 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	64.1327362	64.1327362 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	9606	9606 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	51106	51106 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1568734208	1568734208	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1568734208	1568734208	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	70.1366196	70.1366196 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	211.513733	211.513733 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.44028044	5.44028044 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	76.8895721	76.8895721 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19138	19138 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31995	31995 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1568734208	1568734208	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1568734208	1568734208	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	

Test Step 2.58 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	88.5801086
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	525.752197
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.4235058
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255
k_AutoCntrHiSpdTimer1_mS_u16	42277
k_AutoCntrHiSpdTimer2_mS_u16	52217
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	38.5221024
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	265.609314
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	5.71470642
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	196.135361





Name	Input Value		
k_AutoCntrHiSpdTimer4_mS_u16	54573		
k AutoCntrLoSpdCntrWindow HwDeg f32	58.6687202		
k AutoCntrLoSpdFilt1Kn Hz f32	0.0250000004		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00600000005		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	72.2188644		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	5.45036793		
k AutoCntrLoSpdTimer1VehSpd kph f32	172.141464		
k AutoCntrLoSpdTimer1 mS u16	47724		
k AutoCntrLoSpdTimer2 mS u16	1764		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.00520000001		
k SLPEnableBFCheck Cnt Igc	0		
k SLPHwAuthority Uls f32	0.304800004		
target Pim MotPosReset.NVMStoredLastPos HwDeq f32	319.630005		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4195077888		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	265.609314	265.609314 ± 0.2	Result
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	196.135361	196.135361 ± 0.5	
	5.71470642	5.71470642 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeq_f32	38.5221024	38.5221024 ± 0.0625	
, = , = = = = 0=	42277	42277 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16			
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	54573	54573 ± 2	J
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4195077888	4195077888	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4195077888	4195077888	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	525.752197	525.752197 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.4235058	13.4235058 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5801086	88.5801086 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42277	42277 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52217	52217 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4195077888	4195077888	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4195077888	4195077888	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	72.2188644	72.2188644 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	172.141464	172.141464 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.45036793	5.45036793 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	58.6687202	58.6687202 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	47724	47724 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	1764	1764 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4195077888	4195077888	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4195077888	4195077888	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.304800004	0.304800004	•
VehDyn_SLPHwPos_HwDeg_M_f32	319.630005	319.630005	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.59 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	21.7662468
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0350000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	664.569519
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	12.4867144
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	228.050003
k_AutoCntrHiSpdTimer1_mS_u16	8935
k_AutoCntrHiSpdTimer2_mS_u16	53328





Name	Input Value		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	49.7095528		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	450.146423		
k AutoCntrHiSpdTimer4PinTrq HwNm f32	9.50154114		
k AutoCntrHiSpdTimer4VehSpd kph f32	182.573456		
k AutoCntrHiSpdTimer4 mS u16	7812		
k AutoCntrLoSpdCntrWindow HwDeg f32	61.1730156		
k AutoCntrLoSpdFilt1Kn Hz f32	0.063000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00779999979		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	560.017944		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.75256419		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	184.805145		
k_AutoCntrLoSpdTimer1_mS_u16	10463		
k_AutoCntrLoSpdTimer2_mS_u16	43013		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0350000001		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.311399996		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	295.596985		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2339853824		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	450.146423	450.146423 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	182.573456	182.573456 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.50154114	9.50154114 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	49.7095528	49.7095528 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	8935	8935 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7812	7812 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	664.569519	664.569519 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	228.050003	228.050003 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.4867144	12.4867144 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	21.7662468	21.7662468 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	8935	8935 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53328	53328 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	560.017944	560.017944 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	184.805145	184.805145 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.75256419	3.75256419 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	61.1730156	61.1730156 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10463	10463 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43013	43013 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0	0	V
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.60 (Repeat Count = 1)	
Name	Input Value
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	575.91394





Name	Input Value		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	8.9376688		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	65		
k AutoCntrHiSpdTimer1 mS u16	5222		
k AutoCntrHiSpdTimer2 mS u16	4240		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	93.8445969		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844		
k AutoCntrHiSpdTimer4PinTrq HwNm f32	8.16609764		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	68		
k AutoCntrHiSpdTimer4 mS u16	31042		
k AutoCntrLoSpdCntrWindow HwDeg f32	95.9834061		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.818787		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.82910013		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	29.3435669		
k_AutoCntrLoSpdTimer1_mS_u16	25532		
k_AutoCntrLoSpdTimer2_mS_u16	27401		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.608399987		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	785.888		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	312.352844	312.352844 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	68	68 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.16609764	8.16609764 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	93.8445969	93.8445969 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31042	31042 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3323480832	3323480832	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	575.91394	575.91394 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	65	65 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.9376688	8.9376688 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0222664	32.0222664 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4240	4240 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.818787	195.818787 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.9834061	95.9834061 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532	25532 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401	27401 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832	3323480832	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3323480832	3323480832	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	V
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.608399987	0.608399987	~
VehDyn_SLPHwPos_HwDeg_M_f32	785.888	785.888	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.61 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
$Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)$	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2

VehDyn_Init1





Name	Input Value		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	19.5605583		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0560000017		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009 572.561157		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	0		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 k_AutoCntrHiSpdTimer1VehSpd_kph_f32	193.532913		
k AutoCntrHiSpdTimer1 mS u16	16201		
k_AutoCntrHiSpdTimer2_mS_u16	54439		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1727753		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	520.135864		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	12.4131937		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	52.6185455		
k_AutoCntrHiSpdTimer4_mS_u16	54779		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	27.0724258		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00200000009		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	199.42067		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.28609991		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255		
k_AutoCntrLoSpdTimer1_mS_u16	18002		
k_AutoCntrLoSpdTimer2_mS_u16	18842		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0560000017		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.317999989		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	271.563995		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3524313344	1	1
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	520.135864	520.135864 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.6185455	52.6185455 ± 0.5	V
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.4131937	12.4131937 ± 0.04	*
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1727753	75.1727753 ± 0.0625 16201 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16201 54779	10201 ± 2 54779 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3524313344	3524313344	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	572.561157	572.561157 ± 0.2	-
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	193.532913	193.532913 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	19.5605583	19.5605583 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16201	16201 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	54439	54439 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3524313344	3524313344	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	199.42067	199.42067 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.28609991	7.28609991 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	27.0724258	27.0724258 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	18002	18002 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18842	18842 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	~
VehDyn SLPHwAuth Uls M f32	0.047000000	0.047000000	
VehDyn_SLPHwPos_HwDeg_M_f32	0.317999989 271.563995	0.317999989 271.563995	*

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•





Test Step 2.62 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	72.3069534	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0670000017	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	532.443176	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	116.974548	
k_AutoCntrHiSpdTimer1_mS_u16	28925	
k_AutoCntrHiSpdTimer2_mS_u16	55550	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	67.8938828	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	498.552795	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	1.5492686	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	42.4051514	
k_AutoCntrHiSpdTimer4_mS_u16	40071	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	51.3248215	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0049999989	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	32.0000687	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	0.0526188612	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	86.9903564	
k_AutoCntrLoSpdTimer1_mS_u16	4363	
k_AutoCntrLoSpdTimer2_mS_u16	58876	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0670000017	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.324600011	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	247.531006	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2108719104	
Name	Actual Value Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.552795 498.552795 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	42.4051514 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.5492686 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	67.8938828 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	28925 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	40071 40071 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2108719104 2108719104	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2100719104	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2108719104 2108719104	•
VehDyn AutoCntrDetSnd M etr DelHyDesEilt2SV/ HyDes etr V IIIe 600		6
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2108719104 2108719104	6
VenDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uis_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0	6
	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000432193279 0.000432189729 ± 1.25663627181805E-06	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000432193279 0.000432189729 ± 1.25663627181805E-06 532.443176 532.443176 ± 0.2	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000432193279 0.000432189729 ± 1.25663627181805E-0 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-00 0.000432193279 0.000432189729 ± 1.25663627181805E-00 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-00 0.000432193279 0.000432189729 ± 1.25663627181805E-00 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 ± 0.0625	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 ± 0.0625 28925 28925 ± 2	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 ± 0.0625 28925 28925 ± 2 55550 55550 ± 2	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 ± 0.0625 28925 28925 ± 2 55550 55550 ± 2 2108719104 2108719104	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 ± 0.0625 28925 28925 ± 2 55550 55550 ± 2 2108719104 2108719104 2108719104 2108719104	66
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 ± 0.0625 28925 28925 ± 2 55550 55550 ± 2 2108719104 2108719104 2108719104 2108719104 0.000841617584 0.000841592497 ± 1.25663627181805E-06	66
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VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-00 0.000432193279 0.000432189729 ± 1.25663627181805E-00 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 ± 0.0625 28925 28925 ± 2 55550 55550 ± 2 2108719104 2108719104 0.000841617584 0.000841592497 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 32.0000687 32.0000687 ± 0.2 86.9903564 86.9903564 ± 0.5 0.0526188612 0.0526188612 ± 0.04 51.3248215 51.3248215 ± 0.0625 4363 4363 ± 2 58876 58876 ± 2 2108719104 2108719104 2108719104 2108719104	6 6 6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32	2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-00 0.000432193279 0.000432189729 ± 1.25663627181805E-00 532.443176 532.443176 ± 0.2 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 ± 0.0625 28925 28925 ± 2 55550 55550 ± 2 2108719104 2108719104 0.000841617584 0.000841592497 ± 1.25663627181805E-00 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-00 32.0000687 32.0000687 ± 0.2 86.9903564 86.9903564 ± 0.5 0.0526188612 0.0526188612 ± 0.04 51.3248215 51.3248215 ± 0.0625 4363 4363 ± 2 58876 58876 ± 2 2108719104 2108719104 2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0	6 6 6 6 6 6 6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32	2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 532.443176 532.443176 116.974548 116.974548 ± 0.5 20 20 ± 0.04 72.3069534 72.3069534 28925 28925 ± 2 55550 55550 ± 2 2108719104 2108719104 0.000841617584 0.000841617584 0.000841592497 ± 1.25663627181805E-06 6.28232956e-005 32.000687 86.9903564 0.0526188612 0.0526188612 51.3248215 51.3248215 4363 4363 ± 2 58876 58876 58876 58876 58876 520054321805E-0 0.000432193279 0.000432189729 ± 1.25663627181805E-0 0.000432189729 ± 1.25663627181805E-0 0.000432193279 0.000432189729 ± 1.25663627181805E-0 0.000432189729 ± 1.25663627181805E-0 0.000432189729 ± 1.25663627181805E-0	66 66 66 66 66



Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓	

Test Step 2.63 (Repeat Count = 1)		•
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	47.1172676	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	330.663879	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.0500002	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	53.6340179	
k_AutoCntrHiSpdTimer1_mS_u16	18436	
k_AutoCntrHiSpdTimer2_mS_u16	56661	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	52.8357315	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	129.583893	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.4654448	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.279709	
k AutoCntrHiSpdTimer4 mS u16	46866	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	80.1532669	
k AutoCntrLoSpdFilt1Kn Hz f32	0.00520000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	207.336761	
	15.5891829	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5891829	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32		
k_AutoCntrLoSpdTimer1_mS_u16	29601	
k_AutoCntrLoSpdTimer2_mS_u16	17463	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.331200004	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	223.498001	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2894938880	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	129.583893 ± 0.2	١ ،
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.279709 169.279709 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.4654448 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.8357315	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	18436 ± 2	٠,
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46866 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	46866 46866 ± 2 2894938880 2894938880	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	46866 46866 ± 2 2894938880 2894938880 289493880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32	46866 46866 ± 2 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2	
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VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46866 46866 ± 2 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 15.5891829 15.5891829 ± 0.04 80.1532669 80.1532669 ± 0.0625 29601 29601 ± 2	
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VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	46866 46866 ± 2 2894938880 2894938880 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 12.6.774094 126.774094 ± 0.5 15.5891829 15.5891829 ± 0.04 80.1532669 80.1532669 ± 0.0625 29601 29601 ± 2 17463 17463 ± 2 2894938880 2894938880	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	46866 46866 ± 2 2894938880 2894938880 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 126.774094 126.774094 ± 0.5 15.5891829 15.5891829 ± 0.04 80.1532669 80.1532669 ± 0.0625 29601 29601 ± 2 17463 17463 ± 2 2894938880 2894938880	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	46866 46866 ± 2 2894938880 2894938880 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 12.6.774094 126.774094 ± 0.5 15.5891829 15.5891829 ± 0.04 80.1532669 80.1532669 ± 0.0625 29601 29601 ± 2 17463 17463 ± 2 2894938880 2894938880	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.331200004	0.331200004	~
VehDyn_SLPHwPos_HwDeg_M_f32	223.498001	223.498001	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.64 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Current		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00989999995		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226		
k_AutoCntrHiSpdTimer1_mS_u16	30272		
k_AutoCntrHiSpdTimer2_mS_u16	2904		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363		
k_AutoCntrHiSpdTimer4_mS_u16	3628		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591		
k_AutoCntrLoSpdTimer1_mS_u16	36412		
k_AutoCntrLoSpdTimer2_mS_u16	14998		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k SLPEnableBFCheck Cnt lgc	0		
k_SLPHwAuthority_Uls_f32	0.30000012		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-689.755981		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg	c 1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime			
<u>- </u>	3941357312		
Namo	11 11 1	Expected Value	Rosu
	Actual Value	Expected Value	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	Actual Value 272.816681	272.816681 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	Actual Value 272.816681 209.062363	272.816681 ± 0.2 209.062363 ± 0.5	,
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	Actual Value 272.816681 209.062363 13.0401011	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	Actual Value 272.816681 209.062363 13.0401011 51.7886963	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2	,
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312 3941357312	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312 3941357312	Resul
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VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312 3941357312 0.000791370869 6.28232956e-005 416.42218 168.185226 4 24.5077915 30272 2904 3941357312	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312 3941357312 0.000791368075 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 416.42218 ± 0.2 168.185226 ± 0.5 4 ± 0.04 24.5077915 ± 0.0625 30272 ± 2 2904 ± 2 3941357312	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312 3941357312 0.000791370869 6.28232956e-005 416.42218 168.185226 4 24.5077915 30272 2904 3941357312 3941357312	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312 0.000791368075 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 416.42218 ± 0.2 168.185226 ± 0.5 4 ± 0.04 24.5077915 ± 0.0625 30272 ± 2 2904 ± 2 3941357312 3941357312	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312 3941357312 0.000791370869 6.28232956e-005 416.42218 168.185226 4 24.5077915 30272 2904 3941357312 3941357312 0.000314116478	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312 0.000791368075 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 416.42218 ± 0.2 168.185226 ± 0.5 4 ± 0.04 24.5077915 ± 0.0625 30272 ± 2 2904 ± 2 3941357312 3941357312 0.00031410993 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312 3941357312 0.000791370869 6.28232956e-005 416.42218 168.185226 4 24.5077915 30272 2904 3941357312 3941357312 3941357312 0.000314116478 0.000124394894	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312 3941357312 0.000791368075 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 416.42218 ± 0.2 168.185226 ± 0.5 4 ± 0.04 24.5077915 ± 0.0625 30272 ± 2 2904 ± 2 3941357312 3941357312 0.00031410993 ± 1.25663627181805E-06 0.000124399332 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312 3941357312 0.000791370869 6.28232956e-005 416.42218 168.185226 4 24.5077915 30272 2904 3941357312 3941357312 0.000314116478 0.000124394894 499.624054	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312 3941357312 0.000791368075 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 416.42218 ± 0.2 168.185226 ± 0.5 4 ± 0.04 24.5077915 ± 0.0625 30272 ± 2 2904 ± 2 3941357312 3941357312 3941357312 0.00031410993 ± 1.25663627181805E-06 0.000124399332 ± 1.25663627181805E-06 499.624054 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312 3941357312 0.000791370869 6.28232956e-005 416.42218 168.185226 4 24.5077915 30272 2904 3941357312 3941357312 0.000314116478 0.000124394894 499.624054 125.396591	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312 3941357312 0.000791368075 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 416.42218 ± 0.2 168.185226 ± 0.5 4 ± 0.04 24.5077915 ± 0.0625 30272 ± 2 2904 ± 2 3941357312 3941357312 3941357312 0.00031410993 ± 1.25663627181805E-06 0.000124399332 ± 1.25663627181805E-06 499.624054 ± 0.2 125.396591 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	Actual Value 272.816681 209.062363 13.0401011 51.7886963 30272 3628 3941357312 0.000791370869 6.28232956e-005 416.42218 168.185226 4 24.5077915 30272 2904 3941357312 0.000314116478 0.000124394894 499.624054 125.396591 6.55805016	272.816681 ± 0.2 209.062363 ± 0.5 13.0401011 ± 0.04 51.7886963 ± 0.0625 30272 ± 2 3628 ± 2 3941357312 3941357312 0.000791368075 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 416.42218 ± 0.2 168.185226 ± 0.5 4 ± 0.04 24.5077915 ± 0.0625 30272 ± 2 2904 ± 2 3941357312 3941357312 0.00031410993 ± 1.25663627181805E-06 0.000124399332 ± 1.25663627181805E-06 499.624054 ± 0.2 125.396591 ± 0.5 6.55805016 ± 0.04	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.300000012	0.300000012	✓
VehDyn SLPHwPos HwDeg M f32	-689.755981	-689.755981	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-

Test Step 2.65 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	106.088676	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	17.3796749	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	82.7024841	
k_AutoCntrHiSpdTimer1_mS_u16	53106	
k_AutoCntrHiSpdTimer2_mS_u16	57772	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0.382190108	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	40.3323212	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.9312096	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	251.952911	
k_AutoCntrHiSpdTimer4_mS_u16	14715	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	86.5985413	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989	
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	267.78949	
k AutoCntrLoSpdTimer1PinTrg HwNm f32	17.6586285	
k AutoCntrLoSpdTimer1VehSpd kph f32	105.719757	
k_AutoCntrLoSpdTimer1_mS_u16	27170	
k AutoCntrLoSpdTimer2 mS u16	21888	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.337799996	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	199.464996	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_rim_wour-ositeset.tvvwistored_astr-osvaid_crit_igc target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime	target_Pim_MotPosReset 2059598336	
		D
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	40.3323212 40.3323212 ± 0.2	_ ·
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	251.952911 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.9312096	,
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0.382190108	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53106 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14715 14715 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2059598336 2059598336	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2059598336 2059598336	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027 0.000403299142 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	106.088676 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	82.7024841	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	17.3796749 17.3796749 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53106 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57772 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2059598336 2059598336	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2059598336 2059598336	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0	6
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	3
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	267.78949 267.78949 ± 0.2	٠,
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	105.719757 105.719757 ± 0.5	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	17.6586285	17.6586285 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5985413	86.5985413 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	27170	27170 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	21888	21888 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2059598336	2059598336	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2059598336	2059598336	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.66 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0560000017	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	246.491226	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.1210756	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	14.3564606	
k_AutoCntrHiSpdTimer1_mS_u16	40735	
k_AutoCntrHiSpdTimer2_mS_u16	58883	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	65.5642929	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	172.499313	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	5.32853031	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	198.042679	
k_AutoCntrHiSpdTimer4_mS_u16	37715	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	9.40841103	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	210.980316	
k AutoCntrLoSpdTimer1PinTrq HwNm f32	5.85037804	
k AutoCntrLoSpdTimer1VehSpd kph f32	177.992142	
k AutoCntrLoSpdTimer1 mS u16	35868	
k_AutoCntrLoSpdTimer2_mS_u16	19303	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961	
k SLPEnableBFCheck Cnt Igc	0	
k SLPHwAuthority Uls f32	0.344399989	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	175.432007	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	800969984	
		l
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	172.499313 172.499313 ± 0.2	ļ .
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	198.042679 198.042679 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.32853031	١.
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	65.5642929 65.5642929 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40735 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	37715 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	800969984 800969984	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	800969984 800969984	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879 0.00106757123 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	246.491226 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	14.3564606 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.1210756 15.1210756 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40735 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58883 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	800969984 800969984	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	800969984 800969984	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	210.980316	210.980316 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	177.992142	177.992142 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.85037804	5.85037804 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	9.40841103	9.40841103 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	35868	35868 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	19303	19303 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	800969984	800969984	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	800969984	800969984	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.344399989	0.344399989	•
VehDyn_SLPHwPos_HwDeg_M_f32	175.432007	175.432007	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.67 (Repeat Count = 1)	Innut Value		
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCAct	tive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	2.04999995		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0670000017		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	680.440247		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.89876556		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	18.8164063		
k_AutoCntrHiSpdTimer1_mS_u16	39187		
k_AutoCntrHiSpdTimer2_mS_u16	59994		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	89.7410736		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	138.948975		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.4402218		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	145.445251		
k_AutoCntrHiSpdTimer4_mS_u16	35319		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	54.7292175		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	664.948303		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	14.762373		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	45.8468628		
k_AutoCntrLoSpdTimer1_mS_u16	1815		
k_AutoCntrLoSpdTimer2_mS_u16	21239		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.351000011		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	151.399002		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	569984000		
Name	Actual Value Expecte	ed Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.948975 138.9489	75 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	145.445251 145.4452	51 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.4402218 18.44022	18 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	89.7410736 89.74107	36 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	39187 39187 ± 2	2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	35319 35319 ± 2	2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	569984000 56998400	00	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	569984000 56998400	00	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000113070011 0.000113	090937 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		10993 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	680.440247 680.4402		١,
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.8164063 18.81640	63 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.89876556 8.898765		٠,
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32		95 ± 0.0625	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	39187	39187 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	59994	59994 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	569984000	569984000	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	569984000	569984000	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	664.948303	664.948303 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	45.8468628	45.8468628 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.762373	14.762373 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.7292175	54.7292175 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	1815	1815 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	21239	21239 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	569984000	569984000	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	569984000	569984000	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.68 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCAct	tive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
<_AutoCntrHiSpdCntrWindow_HwDeg_f32	5		
x_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00779999979		
<_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961		
x_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	138.568741		
c_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.97866201		
x_AutoCntrHiSpdTimer1VehSpd_kph_f32	72.755127		
:_AutoCntrHiSpdTimer1_mS_u16	7415		
AutoCntrHiSpdTimer2 mS u16	6666		
 AutoCntrHiSpdTimer4CntrWindow HwDeg f32 	59.698616		
	50.0811806		
	17.8322964		
AutoCntrHiSpdTimer4VehSpd kph f32	117.223816		
AutoCntrHiSpdTimer4 mS u16	16156		
AutoCntrLoSpdCntrWindow HwDeg f32	81.3328171		
AutoCntrLoSpdFilt1Kn Hz f32	0.00899999961		
AutoCntrLoSpdFilt2Kn Hz f32	0.0250000004		
AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	543		
AutoCntrLoSpdTimer1PinTrg HwNm f32	6.82931423		
AutoCntrLoSpdTimer1VehSpd kph f32	199.050003		
AutoCntrLoSpdTimer1 mS u16	33198		
AutoCntrLoSpdTimer2 mS u16	7778		
AutoCntrPinTrgLPFCoeffKn Hz f32	0.00779999979		
SLPEnableBFCheck Cnt Igc	1		
SLPHwAuthority Uls f32	0.0342000015		
arget Pim MotPosReset.NVMStoredLastPos HwDeg f32	1304.98303		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
arget Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc	0		
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
gt GetSystemTime mS u32 CurrentTime	3437401088		
Name	Actual Value Expecte	od Value	Resu
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	50.0811806 50.08118		11001
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	117.223816 117.2238		
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.8322964 17.83229		
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32		6 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7415 7415 ± 2		
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16156 16156 ± 2		
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mls_u32	3437401088 34374010		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088 34374010		
VehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		090937 ± 1.25663627181805E-06	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg_str.K_Uls_f32		10993 ± 1.25663627181805E-06	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.568741	138.568741 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	72.755127	72.755127 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.97866201	6.97866201 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	5	5 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7415	7415 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	6666	6666 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	543	543 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	199.050003	199.050003 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.82931423	6.82931423 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	81.3328171	81.3328171 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198	33198 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778	7778 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Test Step 2.69 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTin	ne	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMg	gr_GetNTCActive_NTCActive_Ptr_T_lg	C
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	37.5070457		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00620000018		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	449.560669		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.49751949		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	15.1709442		
k_AutoCntrHiSpdTimer1_mS_u16	51065		
k_AutoCntrHiSpdTimer2_mS_u16	0		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	33.4789696		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	684.185608		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.1316996		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	98.2219086		
k_AutoCntrHiSpdTimer4_mS_u16	3948		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.9530144		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0350000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	686.860413		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.50215721		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	108.267075		
k_AutoCntrLoSpdTimer1_mS_u16	19095		
k_AutoCntrLoSpdTimer2_mS_u16	14137		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.357600003		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	127.365997		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3351443200		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	684.185608	684.185608 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	98.2219086	98.2219086 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	12.1316996	12.1316996 ± 0.04	
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	33.4789696	33.4789696 ± 0.0625	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	51065	51065 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	3948	3948 ± 2	

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VehDyn_Init1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3351443200	3351443200	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3351443200	3351443200	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	449.560669	449.560669 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	15.1709442	15.1709442 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.49751949	7.49751949 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	37.5070457	37.5070457 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51065	51065 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0	0 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3351443200	3351443200	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3351443200	3351443200	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.79032707e-005	7.79084658e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	686.860413	686.860413 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	108.267075	108.267075 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.50215721	8.50215721 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.9530144	41.9530144 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19095	19095 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14137	14137 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3351443200	3351443200	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3351443200	3351443200	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.357600003	0.357600003	~
VehDyn_SLPHwPos_HwDeg_M_f32	127.365997	127.365997	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	

Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Curr	rentTime	
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc)		DiagMgr GetNTCActive NTCActive Ptr T I	ac
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		3-
k AutoCntrHiSpdCntrWindow HwDeq f32	49.7710762		
k AutoCntrHiSpdFilt1Kn Hz f32	0.00899999961		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00650000013		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	338.984467		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	18.0932884		
k AutoCntrHiSpdTimer1VehSpd kph f32	236.904205		
k_AutoCntrHiSpdTimer1_mS_u16	19981		
k_AutoCntrHiSpdTimer2_mS_u16	60000		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	46.1480331		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	124.406281		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.16511393		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	70.9388123		
k_AutoCntrHiSpdTimer4_mS_u16	29986		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	7.41047621		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0560000017		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	281.363403		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	17.0429993		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	139.053314		
k_AutoCntrLoSpdTimer1_mS_u16	8138		
k_AutoCntrLoSpdTimer2_mS_u16	35571		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.364199996		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	103.333		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1358028288		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.406281	124.406281 ± 0.2	•
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	70.9388123	70.9388123 ± 0.5	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.16511393	4.16511393 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.1480331	46.1480331 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19981	19981 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	29986	29986 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1358028288	1358028288	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1358028288	1358028288	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	. 🗸
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	338.984467	338.984467 ± 0.2	-
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.904205	236.904205 ± 0.5	-
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.0932884	18.0932884 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	49.7710762	49.7710762 ± 0.0625	-
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19981	19981 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1358028288	1358028288	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1358028288	1358028288	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	. 🗸
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.16583633e-005	8.16780739e-005 ± 1.25663627181805E-0	6 🗸
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	281.363403	281.363403 ± 0.2	-
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	139.053314	139.053314 ± 0.5	-
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	17.0429993	17.0429993 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	7.41047621	7.41047621 ± 0.0625	-
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8138	8138 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	35571	35571 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1358028288	1358028288	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1358028288	1358028288	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn SLPHwPos HwDeg M f32	0	0	-

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Test Step 2.71 (Repeat Count = 1)	
	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
<_AutoCntrHiSpdCntrWindow_HwDeg_f32	58.6891289
<_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
<_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	57.2952843
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.56739569
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	11.313797
<_AutoCntrHiSpdTimer1_mS_u16	20825
<_AutoCntrHiSpdTimer2_mS_u16	2000
<_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	91.4300919
C_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	459.889984
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.1788235
<_AutoCntrHiSpdTimer4VehSpd_kph_f32	195.647476
_AutoCntrHiSpdTimer4_mS_u16	47347
_AutoCntrLoSpdCntrWindow_HwDeg_f32	45.5890503
<_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0670000017
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.074249
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5773945
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	208.55397
<_AutoCntrLoSpdTimer1_mS_u16	19617
<_AutoCntrLoSpdTimer2_mS_u16	42138
x_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
<pre>c_SLPEnableBFCheck_Cnt_lgc</pre>	0
s_SLPHwAuthority_Uls_f32	0.370799989
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	79.3000031
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
arget Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	459.889984	459.889984 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	195.647476	195.647476 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1788235	18.1788235 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	91.4300919	91.4300919 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20825	20825 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47347	47347 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1975593216	1975593216	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1975593216	1975593216	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	57.2952843	57.2952843 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	11.313797	11.313797 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.56739569	2.56739569 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	58.6891289	58.6891289 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20825	20825 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2000	2000 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1975593216	1975593216	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1975593216	1975593216	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.074249	195.074249 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	208.55397	208.55397 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	15.5773945	15.5773945 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.5890503	45.5890503 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19617	19617 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	42138	42138 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1975593216	1975593216	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1975593216	1975593216	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.370799989	0.370799989	•
VehDyn_SLPHwPos_HwDeg_M_f32	79.3000031	79.3000031	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.72 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	39.9920425
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	595.803711
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	249.256897
k_AutoCntrHiSpdTimer1_mS_u16	51762
k_AutoCntrHiSpdTimer2_mS_u16	1234
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	52.9036674
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	637.189331
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.48333788
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	60.9433594
k_AutoCntrHiSpdTimer4_mS_u16	35091
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	70.5879364
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	112.469505
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	9.19094181
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	138.473877
k_AutoCntrLoSpdTimer1_mS_u16	45601
k_AutoCntrLoSpdTimer2_mS_u16	16090
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.377400011





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	55.2669983		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	910116864		
Name	Actual Value	Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	637.189331	637.189331 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	60.9433594	60.9433594 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	4.48333788	4.48333788 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.9036674	52.9036674 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51762	51762 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	35091	35091 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	910116864	910116864	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	910116864	910116864	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	595.803711	595.803711 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	249.256897	249.256897 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	39.9920425	39.9920425 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51762	51762 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1234	1234 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	910116864	910116864	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	910116864	910116864	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	112.469505	112.469505 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	138.473877	138.473877 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.19094181	9.19094181 ± 0.04	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	70.5879364	70.5879364 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	45601	45601 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	16090	16090 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	910116864	910116864	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	910116864	910116864	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn SLPHwPos HwDeg M f32	0	0	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.73 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	40.3496017
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0560000017
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	31.3933392
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.8332462
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	3.91197205
k_AutoCntrHiSpdTimer1_mS_u16	49799
k_AutoCntrHiSpdTimer2_mS_u16	1568
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	46.9611549
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	190.477554
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.47036648
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	178.790085
k_AutoCntrHiSpdTimer4_mS_u16	53632
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	50.4249611
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.061999999
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00779999979
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	114.137932
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	1.6375922
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	109.448532
k_AutoCntrLoSpdTimer1_mS_u16	37638





Name	Input Value		
k_AutoCntrLoSpdTimer2_mS_u16	34521		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.00499999989		
k SLPEnableBFCheck Cnt lgc	0		
k SLPHwAuthority Uls f32	0.384000003		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	31.2339993		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	402713344		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	190.477554	190.477554 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	178.790085	178.790085 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.47036648	6.47036648 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.9611549	46.9611549 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49799	49799 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53632	53632 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	402713344	402713344	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	402713344	402713344	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	31.3933392	31.3933392 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	3.91197205	3.91197205 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.8332462	16.8332462 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	40.3496017	40.3496017 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49799	49799 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1568	1568 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	402713344	402713344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	402713344	402713344	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	114.137932	114.137932 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	109.448532	109.448532 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.6375922	1.63759208 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	50.4249611	50.4249611 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37638	37638 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34521	34521 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	402713344	402713344	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	402713344	402713344	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.384000003	0.384000003	~
VehDyn_SLPHwPos_HwDeg_M_f32	31.2339993	31.2339993	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	V

Test Step 2.74 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	99.1655273
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	279.967194
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.9828386
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	86.4936218
k_AutoCntrHiSpdTimer1_mS_u16	49400
k_AutoCntrHiSpdTimer2_mS_u16	1902
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	19.041563
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	179.741653
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.99505949
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	156.046783
k_AutoCntrHiSpdTimer4_mS_u16	48941
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.1003494
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961





Name	Input Value		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	453.257568		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.62326527		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	130.321442		
k_AutoCntrLoSpdTimer1_mS_u16	57817		
k_AutoCntrLoSpdTimer2_mS_u16	34611		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.390599996		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	7.20100021		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4178051584		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	179.741653	179.741653 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.046783	156.046783 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0.99505949	0.99505949 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	19.041563	19.041563 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49400	49400 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	48941	48941 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4178051584	4178051584	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4178051584	4178051584	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	279.967194	279.967194 ± 0.2	~
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	86.4936218	86.4936218 ± 0.5	~
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	13.9828386	13.9828386 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	99.1655273	99.1655273 ± 0.0625	✓
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	49400	49400 ± 2	~
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	1902	1902 ± 2	✓
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4178051584	4178051584	~
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4178051584	4178051584	•
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	453.257568	453.257568 ± 0.2	~
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	130.321442	130.321442 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.62326527	8.62326527 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.1003494	41.1003494 ± 0.0625	•
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	57817	57817 ± 2	~
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	34611	34611 ± 2	~
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	4178051584	4178051584	-
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4178051584	4178051584	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	-
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✓
VehDyn PinTrqSV M str.K Uls f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn SLPHwPos HwDeg M f32	0	0	~
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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.75 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	64.989418
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00019999995
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	144.154984
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.458559
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	55.1080475
k_AutoCntrHiSpdTimer1_mS_u16	50710
k_AutoCntrHiSpdTimer2_mS_u16	2236
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	56.9792366
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	540.500305
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.40114307
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	47.8860626





Name	Input Value		
k_AutoCntrHiSpdTimer4_mS_u16	41475		
k AutoCntrLoSpdCntrWindow HwDeg f32	95.4522934		
k AutoCntrLoSpdFilt1Kn Hz f32	0.00899999961		
k AutoCntrLoSpdFilt2Kn Hz f32	0.0344000012		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	287.461334		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	7.12687922		
k AutoCntrLoSpdTimer1VehSpd kph f32	58.312088		
k AutoCntrLoSpdTimer1 mS u16	49661		
k AutoCntrLoSpdTimer2 mS u16	59445		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k SLPEnableBFCheck Cnt Igc	0		
k SLPHwAuthority Uls f32	0.397199988		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-16.8320007		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	540.500305	540.500305 ± 0.2	result
VehDyn_AutoChtrDetSpd_M_str.VehSpd_kph_f32	47.8860626	47.8860626 ± 0.5	
	9.40114307	9.40114307 ± 0.04	j
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32		9.40114307 ± 0.04 56.9792366 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.9792366		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	50710	50710 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41475	41475 ± 2	Ĭ
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4077829376	4077829376	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4077829376	4077829376	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	Ĭ
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	144.154984	144.154984 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	55.1080475	55.1080475 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.458559	11.458559 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	64.989418	64.989418 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	50710	50710 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2236	2236 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4077829376	4077829376	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4077829376	4077829376	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	287.461334	287.461334 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	58.312088	58.312088 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.12687922	7.12687922 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.4522934	95.4522934 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	49661	49661 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	59445	59445 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4077829376	4077829376	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4077829376	4077829376	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.397199988	0.397199988	•
VehDyn_SLPHwPos_HwDeg_M_f32	-16.8320007	-16.8320007	-

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.76 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	87.8902435	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.100000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	80.0510254	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.94539928	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	124.186646	
k_AutoCntrHiSpdTimer1_mS_u16	42690	
k_AutoCntrHiSpdTimer2_mS_u16	2570	





Name	Input Value		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	23.81703		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	531.758972		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.92990065		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	245.5401		
k_AutoCntrHiSpdTimer4_mS_u16	34733		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.4496155		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	289.349548		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	14.9216394		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	158.512024		
k_AutoCntrLoSpdTimer1_mS_u16	33241		
k_AutoCntrLoSpdTimer2_mS_u16	55884		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.403800011		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-40.8650017		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2644937728		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	531.758972	531.758972 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	245.5401	245.5401 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.92990065	6.92990065 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.81703	23.81703 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42690	42690 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34733	34733 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2644937728	2644937728	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2644937728	2644937728	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	80.0510254	80.0510254 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.186646	124.186646 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.94539928	8.94539928 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	87.8902435	87.8902435 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42690	42690 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2570	2570 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2644937728	2644937728	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2644937728	2644937728	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	289.349548	289.349548 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	158.512024	158.512024 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.9216394	14.9216394 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.4496155	99.4496155 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33241	33241 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	55884	55884 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2644937728	2644937728	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2644937728	2644937728	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	V
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.77 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000300000014
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218





Innut Value		
•		
	Expected Value	Result
	•	Result
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		~
		-
		✓
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		~
		-
		~
		-
		~
		-
2212175616	2212175616	✓
6.28232956e-005		~
3.75509262e-006	3.76990397e-006 ± 1.25663627181805E-06	~
499.624054	499.624054 ± 0.2	~
125.396591	125.396591 ± 0.5	•
6.55805016	6.55805016 ± 0.04	-
59.735672	59.735672 ± 0.0625	•
36412	36412 ± 2	-
14998	14998 ± 2	~
		-
2212175010		
2212175616	2212175616	✓
2212175616	2212175616	~
2212175616 0.000791370869	2212175616 0.000791368075 ± 1.25663627181805E-06	~
2212175616 0.000791370869 6.28232956e-005	2212175616 0.000791368075 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06	~
	6.28232956e-005 3.75509262e-006 499.624054 125.396591 6.55805016 59.735672 36412 14998	8.68037319 168.185226 30272 2904 51.7888963 272.816681 31.0401011 209.062363 3628 59.735672 0.063000001 0.00499999989 499.624054 6.55805016 125.396591 36412 4998 0.00499999989 0 0.410400003 -64.8980026 1 1 1 1 1 1 1 1 1 1 272.8166803 30272 30272 30272 30272 30272 30272 30272 30272 2024 204 204 294 2 2212175616 221215616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616 2212175616

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.78 (Repeat Count = 1)		✓
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
$Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)$	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	

VehDyn_Init1





Name	Input Value		
k AutoCntrHiSpdCntrWindow HwDeg f32	91.3826141		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00499999989		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	683.818359		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	0.0764636993		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	34.4863586		
k AutoCntrHiSpdTimer1 mS u16	23210		
k_AutoCntrHiSpdTimer2_mS_u16	3238		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1060562		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	108.829964		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.80758381		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.04245		
k AutoCntrHiSpdTimer4 mS u16	7187		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	53.7309608		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00899999961		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	228.670547		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	16.7742443		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	174.289764		
k_AutoCntrLoSpdTimer1_mS_u16	11413		
k_AutoCntrLoSpdTimer2_mS_u16	48604		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.000199999995		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.416999996		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-88.9309998		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	7.80758381 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187	7187 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2059598336	2059598336	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2059598336	2059598336	✓
		200000000	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027 0.000113070011		
		0.000403299142 ± 1.25663627181805E-06	*
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0.000113070011 683.818359	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0.000113070011 683.818359 34.4863586	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5	· · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0.000113070011 683.818359 34.4863586 0.0764636993	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 228.670547 ± 0.2	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 228.670547 ± 0.2 174.289764 ± 0.5	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 228.670547 ± 0.2 174.289764 ± 0.5 16.7742443 ± 0.04	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 228.670547 ± 0.2 174.289764 ± 0.5 16.7742443 ± 0.04 53.7309608 ± 0.0625	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608 11413	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 228.670547 ± 0.2 174.289764 ± 0.5 16.7742443 ± 0.04 53.7309608 ± 0.0625 11413 ± 2	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608 11413 48604	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 228.670547 ± 0.2 174.289764 ± 0.5 16.7742443 ± 0.04 53.7309608 ± 0.0625 11413 ± 2 48604 ± 2	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608 11413 48604 2059598336	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 6.53429888-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 228.670547 ± 0.2 174.289764 ± 0.5 16.7742443 ± 0.04 53.7309608 ± 0.0625 11413 ± 2 48604 ± 2 2059598336	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608 11413 48604 2059598336 2059598336	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 6.53429888-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 228.670547 ± 0.2 174.289764 ± 0.5 16.7742443 ± 0.04 53.7309608 ± 0.0625 11413 ± 2 48604 ± 2 2059598336 2059598336 2059598336	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608 11413 48604 2059598336 0.000403285027	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.534298808-005 ± 1.25663627181805E-06 6.28298803-005 ± 1.25663627181805E-06 174.289764 ± 0.5 16.7742443 ± 0.04 53.7309608 ± 0.0625 11413 ± 2 48604 ± 2 2059598336 0.000403299142 ± 1.25663627181805E-06	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHydps_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608 11413 48604 2059598336 2059598336 0.000403285027 0.000113070011	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 14.289764 ± 0.5 16.7742443 ± 0.04 53.7309608 ± 0.0625 11413 ± 2 48604 ± 2 2059598336 0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608 11413 48604 2059598336 2059598336 0.000403285027 0.000113070011 2.50339508e-006	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 16.7742443 ± 0.04 53.7309608 ± 0.0625 11413 ± 2 48604 ± 2 2059598336 0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 2.51327106e-006 ± 1.25663627181805E-06	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 683.818359 34.4863586 0.0764636993 91.3826141 23210 3238 2059598336 2059598336 6.53266907e-005 6.28232956e-005 228.670547 174.289764 16.7742443 53.7309608 11413 48604 2059598336 2059598336 0.000403285027 0.000113070011	0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 683.818359 ± 0.2 34.4863586 ± 0.5 0.0764636993 ± 0.04 91.3826141 ± 0.0625 23210 ± 2 3238 ± 2 2059598336 2059598336 6.53429888e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 14.289764 ± 0.5 16.7742443 ± 0.04 53.7309608 ± 0.0625 11413 ± 2 48604 ± 2 2059598336 0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06	***************************************

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•



Test Step 2.79 (Repeat Count = 1)		•
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.5132141	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0350000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	39.0381813	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.52265358	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	232.692337	
k_AutoCntrHiSpdTimer1_mS_u16	38590	
k_AutoCntrHiSpdTimer2_mS_u16	3572	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.39439726	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	400.168243	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.648386	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.4615631	
k_AutoCntrHiSpdTimer4_mS_u16	37023	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	62.1222305	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	443.858398	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.18688083	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	226.96962	
k_AutoCntrLoSpdTimer1_mS_u16	54120	
k AutoCntrLoSpdTimer2 mS u16	46193	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001	
k SLPEnableBFCheck Cnt lgc	0	
k_SLPHwAuthority_Uls_f32	0.423599988	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-112.963997	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	800969984	
Name		Popul
	Actual Value Expected Value 400.168243 400.168243 ± 0.2	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.4615631 17.4615631 ± 0.5 19.648386 19.648386 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.046360 19.046360 ± 0.04 5.39439726 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38590 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38590 38590 ± 2 37023 37023 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.000439703465 0.000439726253 ± 1.25663627181805E-0	ô
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984	3
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.000439703465 0.000439726253 ± 1.25663627181805E-0 0.000113070011 0.000113090937 ± 1.25663627181805E-0 443.858398 443.858398 ± 0.2	6 6 6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.000439703465 0.000439726253 ± 1.25663627181805E-0 0.000113070011 0.000113090937 ± 1.25663627181805E-0	6 6 6
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VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.000439703465 0.000439726253 ± 1.25663627181805E-0 0.000113070011 0.000113090937 ± 1.25663627181805E-0 443.858398 443.858398 ± 0.2 226.96962 226.96962 ± 0.5 3.18688083 3.18688083 ± 0.04 62.1222305 62.1222305 ± 0.0625	3 3 5 5
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.000439703465 0.000439726253 ± 1.25663627181805E-0 0.000113070011 0.000113090937 ± 1.25663627181805E-0 443.858398 443.858398 ± 0.2 226.96962 226.96962 ± 0.5 3.18688083 3.18688083 ± 0.04 62.1222305 62.1222305 ± 0.0625 54120 54120 ± 2	6 6 6
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VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.000439703465 0.000439726253 ± 1.25663627181805E-0 0.000113070011 0.000113090937 ± 1.25663627181805E-0 443.858398 443.858398 ± 0.2 226.96962 226.96962 ± 0.5 3.18688083 3.18688083 ± 0.04 62.1222305 62.1222305 ± 0.0625 54120 54120 ± 2 46193 46193 ± 2 800969984 800969984	6 6 6 6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.00013070011 0.0001309037 ± 1.25663627181805E-0 0.000113070011 0.00011309037 ± 1.25663627181805E-0 443.858398 443.858398 ± 0.2 226.96962 226.96962 ± 0.5 3.18688083 3.18688083 ± 0.04 62.1222305 62.1222305 ± 0.0625 54120 54120 ± 2 46193 46193 ± 2 800969984 800969984 800969984 800969984	6 6 6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.00013070011 0.0001309037 ± 1.25663627181805E-0 443.858398 443.858398 ± 0.2 226.96962 226.96962 ± 0.5 3.18688083 3.18688083 ± 0.04 62.1222305 62.1222305 ± 0.0625 54120 54120 ± 2 46193 46193 ± 2 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984	6 6 6
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	38590 38590 ± 2 37023 37023 ± 2 800969984 800969984 800969984 800969984 0.00106757879 0.00106757123 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 39.0381813 39.0381813 ± 0.2 232.692337 232.692337 ± 0.5 5.52265358 5.52265358 ± 0.04 77.5132141 77.5132141 ± 0.0625 38590 38590 ± 2 3572 3572 ± 2 800969984 800969984 800969984 800969984 0.00013070011 0.00013090937 ± 1.25663627181805E-0 443.858398 443.858398 ± 0.2 226.96962 226.96962 ± 0.5 3.18688083 3.18688083 ± 0.04 62.1222305 62.1222305 ± 0.0625 54120 54120 ± 2 46193 46193 ± 2 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984	3



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.80 (Repeat Count = 1) Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
<_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.04372168	
<_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00600000005	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	55.3411407	
x_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.96820259	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	102.746277	
k_AutoCntrHiSpdTimer1_mS_u16	6114	
k AutoCntrHiSpdTimer2 mS u16	3906	
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	55.9956245	
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	84.2065811	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.3837309	
C_AutoCntrHiSpdTimer4VehSpd_kph_f32	119.126099	
k_AutoCntrHiSpdTimer4_mS_u16	32226	
k AutoCntrLoSpdCntrWindow HwDeg f32	9.00450611	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00300000003	
AutoCntrLoSpdFilt2Kn Hz f32	0.00700000022	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	145.500351	
k AutoCntrLoSpdTimer1PinTrg HwNm f32	12.452816	
AutoCntrLoSpdTimer1VehSpd kph f32	94.8519287	
<_AutoCntrLoSpdTimer1_mS_u16	19115	
k_AutoCntrLoSpdTimer2_mS_u16	24462	
AutoCntrPinTrgLPFCoeffKn Hz f32	0.0350000001	
k SLPEnableBFCheck Cnt Igc	1	
k SLPHwAuthority Uls f32	0.430200011	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-136.996994	
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	569984000	
		Poor
Name	Actual Value Expected Value 84.2065811 84.2065811 ± 0.2	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	119.126099 119.126099 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.3837309 15.3837309 ± 0.04 55.9956245 55.9956245 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	111111111111111111111111111111111111111	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	6114 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	32226 32226 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	569984000 569984000	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	569984000 569984000	00
		-06
	3.76701355e-005 3.76984026e-005 ± 1.25663627181805E	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04	-06
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0 145.500351 145.500351 ± 0.2	-06
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0 145.500351 145.500351 ± 0.2	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625	-06 6
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625 19115 19115 ± 2	-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625 19115 19115 ± 2 24462 24462 ± 2	-06 6
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.PiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-0 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625 19115 19115 ± 2 24462 24462 ± 2 569984000 569984000	-06 6





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-0	16
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn SLPHwPos HwDeg M f32	0	0	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Alama	Innut Value	
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	575.91394	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.9376688	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	204.072876	
k_AutoCntrHiSpdTimer1_mS_u16	5222	
k_AutoCntrHiSpdTimer2_mS_u16	4240	
<_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	93.8445969	
C_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844	
C_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	8.16609764	
C_AutoCntrHiSpdTimer4VehSpd_kph_f32	68	
x_AutoCntrHiSpdTimer4_mS_u16	31042	
AutoCntrLoSpdCntrWindow_HwDeg_f32	95.9834061	
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0049999989	
x_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0049999989	
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.818787	
:_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.82910013	
_AutoCntrLoSpdTimer1VehSpd_kph_f32	29.3435669	
c_AutoCntrLoSpdTimer1_mS_u16	25532	
:_AutoCntrLoSpdTimer2_mS_u16	27401	
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989	
SLPEnableBFCheck_Cnt_lgc	0	
S_SLPHwAuthority_Uls_f32	0.436800003	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-161.029999	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igo	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
gt_GetSystemTime_mS_u32_CurrentTime	2242866176	
Name	Actual Value Expected Value	Res
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	312.352844 ± 0.2	
,	012.002044 2 0.2	
	68 68 ± 0.5	
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32		
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	68 ± 0.5	
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176	-06
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.256636271818058 6.28232956e-005 6.28298803e-005 ± 1.256636271818058	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.256636271818058 6.28232956e-005 6.28298803e-005 ± 1.256636271818058 575.91394 575.91394 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625	
tehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 tehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 tehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 tehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 tehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 tehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 tehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 tehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 tehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 tehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 5222 5222 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2	
tehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 tehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 tehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 tehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 tehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 tehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 tehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 tehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_f32 tehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 tehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 tehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 tehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176	-06
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 1.9376688 ± 0.04 32.0222664 32.022664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E	-06
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176 6.28232956e-005 6.2829803e-005 ± 1.25663627181805E 575.91394 5.75.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 204.072876 ± 0.5 5222 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 0.000791370869 0.000791368075 ± 1.25663627181805E	-06
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176 2242866176 6.28232956e-005 6.2829803e-005 ± 1.25663627181805E 0.000791370869 0.000791368075 ± 1.25663627181805E	-06
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.PiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	68	-06
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176 6.28232956e-005 6.2829803e-005 ± 1.25663627181805E 0.000791370869 0.000791368075 ± 1.25663627181805E 195.818787 195.818787 ± 0.2 29.3435669 29.3435669 ± 0.5 7.82910013 7.82910013 ± 0.04	-06
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.PiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	68	-06





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2242866176	2242866176	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.436800003	0.436800003	✓
VehDyn SLPHwPos HwDeg M f32	-161.029999	-161.029999	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.82 (Repeat Count = 1)			V
	Input Value		
Name CotSystemTime mS_u22/CurrentTime)	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	CothITCActive NITCActive Dtv T Ice	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_	Genin Cactive_NTCactive_Pti_1_igc	
Rte_Inst_Ap_VehDyn k AutoCntrHiSpdCntrWindow HwDeg f32	target_Rte_Inst_Ap_VehDyn_2 7.2738266		
k AutoCntrHiSpdFilt1Kn Hz f32	0.00899999961		
	0.00200000009		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	460.901886		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 k AutoCntrHiSpdTimer1PinTrq HwNm f32	8.00629902		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	92.026535		
k_AutoCntrHiSpdTimer1_mS_u16	16931		
k_AutoCntrHiSpdTimer2_mS_u16	4574		
	51.3993683		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	119.134666		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	103.723984		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32			
k_AutoCntrHiSpdTimer4_mS_u16	51145 65.2026672		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32			
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961 0.0250000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32			
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	581.690918		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.79465103		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	236.401962		
k_AutoCntrLoSpdTimer1_mS_u16	46296		
k_AutoCntrLoSpdTimer2_mS_u16	9393		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0089999961		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.443399996		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-185.063004		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2269150976	1	
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666	119.134666 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	103.723984	103.723984 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.3993683	51.3993683 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51145	51145 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2269150976	2269150976	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2269150976	2269150976	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	460.901886	460.901886 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	92.026535	92.026535 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.00629902	8.00629902 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	7.2738266	7.2738266 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4574	4574 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2269150976	2269150976	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	581.690918	581.690918 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.401962	236.401962 ± 0.5	~
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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.79465103	6.79465103 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	65.2026672	65.2026672 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46296	46296 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	9393	9393 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	

Test Step 2.83 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.5981827	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	160.17424	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.19048309	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	28.4624329	
k_AutoCntrHiSpdTimer1_mS_u16	20459	
k_AutoCntrHiSpdTimer2_mS_u16	4908	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	53.1939697	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	201.577209	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	194.557587	
k_AutoCntrHiSpdTimer4_mS_u16	55301	
k AutoCntrLoSpdCntrWindow HwDeg f32	52.1249008	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004	
k AutoCntrLoSpdFilt2Kn Hz f32	0.063000001	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	578.046082	
k AutoCntrLoSpdTimer1PinTrg HwNm f32	16.1874886	
k AutoCntrLoSpdTimer1VehSpd kph f32	158.773651	
k AutoCntrLoSpdTimer1 mS u16	21486	
k_AutoCntrLoSpdTimer2_mS_u16	38584	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k SLPEnableBFCheck Cnt lgc	0	
k SLPHwAuthority Uls f32	0.449999988	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-209.095993	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_r int_work osiseset.rv instoredLastr os valid_crit_ige target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
	3533260288	
tgt_GetSystemTime_mS_u32_CurrentTime		1_
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	201.577209 201.577209 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	194.557587 194.557587 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.1939697 53.1939697 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20459 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	55301 55301 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3533260288 3533260288	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3533260288 3533260288	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478 0.00031410993 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869 0.000791368075 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	160.17424 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	28.4624329 28.4624329 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19048309	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.5981827 91.5981827 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20459 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4908 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3533260288 3533260288	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3533260288 3533260288	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	578.046082	578.046082 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	158.773651	158.773651 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1874886	16.1874886 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.1249008	52.1249008 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21486	21486 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	38584	38584 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3533260288	3533260288	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3533260288	3533260288	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.44999988	0.449999988	•
VehDyn_SLPHwPos_HwDeg_M_f32	-209.095993	-209.095993	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Name	Input Value	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime	
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc)	target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k AutoCntrHiSpdCntrWindow HwDeg f32	87.8902435	
k AutoCntrHiSpdFilt1Kn Hz f32	0.0759999976	
k AutoCntrHiSpdFilt2Kn Hz f32	0.00200000009	
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	80.0510254	
AutoCntrHiSpdTimer1PinTrg HwNm f32	8.94539928	
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	124.186646	
AutoCntrHiSpdTimer1 mS u16	42690	
AutoCntrHiSpdTimer2 mS u16	2570	
AutoCntrHiSpdTimer4CntrWindow HwDeg f32	23.81703	
AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	531.758972	
CAutoCntrHiSpdTimer4PinTrq HwNm f32	6,92990065	
AutoCntrHiSpdTimer4VehSpd kph f32	245.5401	
: AutoCntrHiSpdTimer4 venSpd_xpir_i32	34733	
	99.4496155	
<_AutoCntrLoSpdCntrWindow_HwDeg_f32 < AutoCntrLoSpdFilt1Kn Hz f32	0.0250000004	
AutoCntrLoSpdFilt2Kn Hz f32	0.0458000004	
: AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	289.349548	
AutoCntrLoSpdTimer1PinTrq HwNm f32	14.9216394	
C_AutoCntrLoSpdTimer1VehSpd_kph_f32	158.512024	
_	33241	
<pre><_AutoCntrLoSpdTimer1_mS_u16</pre>		
x_AutoCntrLoSpdTimer2_mS_u16	55884	
x_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0759999976	
<pre>c_SLPEnableBFCheck_Cnt_lgc</pre>		
CSLPHwAuthority_UIs_f32	0.489600003	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-353.294006	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	0	
arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
gt_GetSystemTime_mS_u32_CurrentTime	1759885568	
Name	Actual Value Expected Value	Resu
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	531.758972 531.758972 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	245.5401 245.5401 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.92990065 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.81703 23.81703 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42690 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34733 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568 1759885568	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1759885568 1759885568	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478 0.00031410993 ± 1.2566362718180	5E-06
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636 0.000575374172 ± 1.256636271818	05E-06
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	80.0510254 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.186646 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.94539928 ± 0.04	
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	87.8902435	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42690	42690 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2570	2570 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1759885568	1759885568	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000954568386	0.000954588235 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	289.349548	289.349548 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	158.512024	158.512024 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.9216394	14.9216394 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.4496155	99.4496155 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33241	33241 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	55884	55884 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1759885568	1759885568	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000954568386	0.000954588235 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.85 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_0	GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009		
c_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989		
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218		
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68037319		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226		
<pre>c_AutoCntrHiSpdTimer1_mS_u16</pre>	30272		
AutoCntrHiSpdTimer2_mS_u16	2904		
 AutoCntrHiSpdTimer4CntrWindow HwDeg f32 	51.7886963		
	272.816681		
AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363		
 AutoCntrHiSpdTimer4 mS u16 	3628		
AutoCntrLoSpdCntrWindow HwDeg f32	59.735672		
AutoCntrLoSpdFilt1Kn Hz f32	0.063000001		
AutoCntrLoSpdFilt2Kn Hz f32	0.00499999989		
AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	499.624054		
AutoCntrLoSpdTimer1PinTrg HwNm f32	6.55805016		
<pre>c_AutoCntrLoSpdTimer1VehSpd_kph_f32</pre>	125.396591		
<pre>c_AutoCntrLoSpdTimer1_mS_u16</pre>	36412		
: AutoCntrLoSpdTimer2 mS u16	14998		
: AutoCntrPinTrgLPFCoeffKn Hz f32	0.0225000009		
SLPEnableBFCheck Cnt Igc	1		
SLPHwAuthority Uls f32	0.496199995		
arget Pim MotPosReset.NVMStoredLastPos HwDeg f32	-377.326996		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
arget Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc	1		
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
gt GetSystemTime mS u32 CurrentTime	1662097408		
Name	Actual Value	Expected Value	Resu
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	272.816681	272.816681 ± 0.2	11000
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	51.7886963	51.7886963 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1662097408	1662097408	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1662097408	1662097408	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg_str.K Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	416.42218	416.42218 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	168.185226 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68037319	8.68037319 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904	2904 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1662097408	1662097408	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00028270483	0.000282703375 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	S 🗸
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054	499.624054 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591	125.396591 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.55805016	6.55805016 ± 0.04	✓
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	59.735672	59.735672 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	36412	36412 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14998	14998 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1662097408	1662097408	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1662097408	1662097408	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	S 🗸
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00028270483	0.000282703375 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc)	target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc		
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2		
k AutoCntrHiSpdCntrWindow HwDeg f32	91.3826141		
k AutoCntrHiSpdFilt1Kn Hz f32	0.063000001		
k AutoCntrHiSpdFilt2Kn Hz f32	0.0491000004		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	683.818359		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	0.0764636993		
k AutoCntrHiSpdTimer1VehSpd kph f32	34.4863586		
k AutoCntrHiSpdTimer1 mS u16	23210		
k AutoCntrHiSpdTimer2 mS u16	3238		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1060562		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	108.829964		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.80758381		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.04245		
k_AutoCntrHiSpdTimer4_mS_u16	7187		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	53.7309608		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	228.670547		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.7742443		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	174.289764		
k_AutoCntrLoSpdTimer1_mS_u16	11413		
k_AutoCntrLoSpdTimer2_mS_u16	48604		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_UIs_f32	0.502799988		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-401.359985		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	7.80758381 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	•
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7187	7187 ± 2	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	683.818359	683.818359 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.4863586	34.4863586 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.0764636993	0.0764636993 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.3826141	91.3826141 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3238	3238 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000616788864	0.000616818492 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	228.670547	228.670547 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	174.289764	174.289764 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7742443	16.7742443 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.7309608	53.7309608 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	11413	11413 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	48604	48604 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.502799988	0.502799988	~
VehDyn_SLPHwPos_HwDeg_M_f32	-401.359985	-401.359985	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.87 (Repeat Count = 1)	1	
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.5132141	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	39.0381813	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.52265358	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	232.692337	
k_AutoCntrHiSpdTimer1_mS_u16	38590	
k_AutoCntrHiSpdTimer2_mS_u16	3572	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.39439726	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	400.168243	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.648386	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.4615631	
k_AutoCntrHiSpdTimer4_mS_u16	37023	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	62.1222305	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	443.858398	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.18688083	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	226.96962	
k_AutoCntrLoSpdTimer1_mS_u16	54120	
k_AutoCntrLoSpdTimer2_mS_u16	46193	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.50940001	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-425.393005	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc	c 1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.168243 400.168243 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.4615631 17.4615631 ± 0.5	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.648386	19.648386 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.39439726	5.39439726 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	37023	37023 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4243378688	4243378688	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	39.0381813	39.0381813 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	232.692337	232.692337 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.52265358	5.52265358 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.5132141	77.5132141 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3572	3572 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4243378688	4243378688	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	443.858398	443.858398 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.96962	226.96962 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.18688083	3.18688083 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	62.1222305	62.1222305 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	54120	54120 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	46193	46193 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4243378688	4243378688	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Name	Input Value
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	64.989418
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	144.154984
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.458559
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	55.1080475
k_AutoCntrHiSpdTimer1_mS_u16	50710
k_AutoCntrHiSpdTimer2_mS_u16	2236
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	56.9792366
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	540.500305
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.40114307
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	47.8860626
k_AutoCntrHiSpdTimer4_mS_u16	41475
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.4522934
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	287.461334
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.12687922
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	58.312088
k_AutoCntrLoSpdTimer1_mS_u16	49661
k_AutoCntrLoSpdTimer2_mS_u16	59445
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-641.690002
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	540.500305	540.500305 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	47.8860626	47.8860626 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.40114307	9.40114307 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.9792366	56.9792366 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	50710	50710 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41475	41475 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4164171008	4164171008	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4164171008	4164171008	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	144.154984	144.154984 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	55.1080475	55.1080475 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.458559	11.458559 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	64.989418	64.989418 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	50710	50710 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2236	2236 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4164171008	4164171008	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	287.461334	287.461334 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	58.312088	58.312088 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.12687922	7.12687922 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.4522934	95.4522934 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	49661	49661 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	59445	59445 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4164171008	4164171008	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	-641.690002	-641.690002	-

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.89 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	87.8902435
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00980000012
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	80.0510254
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.94539928
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	124.186646
k_AutoCntrHiSpdTimer1_mS_u16	42690
k_AutoCntrHiSpdTimer2_mS_u16	2570
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	23.81703
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	531.758972
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.92990065
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	245.5401
k_AutoCntrHiSpdTimer4_mS_u16	34733
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.4496155
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	289.349548
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	14.9216394
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	158.512024
k_AutoCntrLoSpdTimer1_mS_u16	33241
k_AutoCntrLoSpdTimer2_mS_u16	55884
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	1





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-665.723022		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	437658624		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	531.758972	531.758972 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	245.5401	245.5401 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.92990065	6.92990065 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.81703	23.81703 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42690	42690 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34733	34733 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	437658624	437658624	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	437658624	437658624	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	80.0510254	80.0510254 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.186646	124.186646 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.94539928	8.94539928 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	87.8902435	87.8902435 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42690	42690 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2570	2570 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	437658624	437658624	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000123143196	0.000123142847 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	289.349548	289.349548 ± 0.2	✓
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	158.512024	158.512024 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.9216394	14.9216394 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.4496155	99.4496155 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33241	33241 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	55884	55884 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	437658624	437658624	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	437658624	437658624	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.90 (Repeat Count = 1)	√
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0098999995
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68037319
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226
k_AutoCntrHiSpdTimer1_mS_u16	30272
k_AutoCntrHiSpdTimer2_mS_u16	2904
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363
k_AutoCntrHiSpdTimer4_mS_u16	3628
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591
k_AutoCntrLoSpdTimer1_mS_u16	36412





Name	Input Value		
k_AutoCntrLoSpdTimer2_mS_u16	14998		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.30000012		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-689.755981		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	~
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	3628	3628 ± 2	✓
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3941357312	3941357312	~
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3941357312	3941357312	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	416.42218	416.42218 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	168.185226 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68037319	8.68037319 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904	2904 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000124394894	0.000124399332 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054	499.624054 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591	125.396591 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.55805016	6.55805016 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	59.735672	59.735672 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	36412	36412 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14998	14998 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.300000012	0.300000012	~
VehDyn_SLPHwPos_HwDeg_M_f32	-689.755981	-689.755981	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	V

Test Step 2.91 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.3826141
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00749999983
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	683.818359
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0.0764636993
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	34.4863586
k_AutoCntrHiSpdTimer1_mS_u16	23210
k_AutoCntrHiSpdTimer2_mS_u16	3238
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1060562
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	108.829964
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.80758381
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.04245
k_AutoCntrHiSpdTimer4_mS_u16	7187
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	53.7309608
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961





Name	Input Value		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	228.670547		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.7742443		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	174.289764		
k_AutoCntrLoSpdTimer1_mS_u16	11413		
k_AutoCntrLoSpdTimer2_mS_u16	48604		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.58859998		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	7.80758381 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187	7187 ± 2	✓
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3304439296	3304439296	~
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3304439296	3304439296	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	683.818359	683.818359 ± 0.2	~
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	34.4863586	34.4863586 ± 0.5	~
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	0.0764636993	0.0764636993 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.3826141	91.3826141 ± 0.0625	~
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	23210	23210 ± 2	~
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	3238	3238 ± 2	~
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3304439296	3304439296	~
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3304439296	3304439296	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	-
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	9.42349434e-005	9.42433398e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	228.670547	228.670547 ± 0.2	-
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	174.289764	174.289764 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7742443	16.7742443 ± 0.04	_
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.7309608	53.7309608 ± 0.0625	~
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	11413	11413 ± 2	_
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	48604	48604 ± 2	~
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3304439296	3304439296	-
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3304439296	3304439296	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	-
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	~
VehDyn PinTrqSV M str.K Uls f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0.58859998	0.58859998	✓
VehDyn SLPHwPos HwDeg M f32	-1600	-1600	_
. ,	1 111	1 111	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.92 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.5132141
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0149999997
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	39.0381813
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.52265358
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	232.692337
k_AutoCntrHiSpdTimer1_mS_u16	38590
k_AutoCntrHiSpdTimer2_mS_u16	3572
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.39439726
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	400.168243
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.648386
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.4615631





Name	Input Value		
k_AutoCntrHiSpdTimer4_mS_u16	37023		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	62.1222305		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009		
k AutoCntrLoSpdFilt2Kn Hz f32	0.0250000004		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	443.858398		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	3.18688083		
k AutoCntrLoSpdTimer1VehSpd kph f32	226.96962		
k AutoCntrLoSpdTimer1 mS u16	54120		
k AutoCntrLoSpdTimer2 mS u16	46193		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009		
k SLPEnableBFCheck Cnt Igc	0		
k SLPHwAuthority Uls f32	0.595200002		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1600		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344		
		Even extent Value	Danul
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.168243	400.168243 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.4615631	17.4615631 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.648386	19.648386 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.39439726	5.39439726 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	37023	37023 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2167769344	2167769344	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2167769344	2167769344	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	39.0381813	39.0381813 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	232.692337	232.692337 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.52265358	5.52265358 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.5132141	77.5132141 ± 0.0625	-
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3572	3572 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2167769344	2167769344	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	-
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000188469887	0.000188477788 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	443.858398	443.858398 ± 0.2	-
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	226.96962	226.96962 ± 0.5	•
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	3.18688083	3.18688083 ± 0.04	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	62.1222305	62.1222305 ± 0.0625	•
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	54120	54120 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	46193	46193 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2167769344	2167769344	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2167769344	2167769344	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0.595200002	0.595200002	
VehDyn_SLPHwPos_HwDeg_M_f32	1600	1600	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.93 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.04372168
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	55.3411407
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.96820259
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	102.746277
k_AutoCntrHiSpdTimer1_mS_u16	6114
k_AutoCntrHiSpdTimer2_mS_u16	3906





Name	Input Value	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	55.9956245	
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	84.2065811	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.3837309	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	119.126099	
k_AutoCntrHiSpdTimer4_mS_u16	32226	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	9.00450611	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00300000003	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00700000022	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	145.500351	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.452816	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	94.8519287	
k_AutoCntrLoSpdTimer1_mS_u16	19115	
k_AutoCntrLoSpdTimer2_mS_u16	24462	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.601800025	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504	
Name	Actual Value Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	84.2065811	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	119.126099	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.3837309 15.3837309 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	55.9956245 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	6114 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	32226 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3714197504 3714197504	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3714197504 3714197504	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76701355e-005 3.76984026e-005 ± 1.25663627181805E	06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E	06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	55.3411407 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	102.746277 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.96820259 6.96820259 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	7.04372168 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	6114 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3906 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504 3714197504	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3714197504 3714197504	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E	06
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E	06
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	145.500351 145.500351 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	94.8519287 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.452816 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	9.00450611	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19115 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	24462 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504 3714197504	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3714197504 3714197504	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76701355e-005 3.76984026e-005 ± 1.25663627181805E	06
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005 8.79607251e-005 ± 1.25663627181805E	06
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E	06
VehDyn_SLPHwAuth_Uls_M_f32	0 0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.94 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	575.91394





Name	Input Value		
k AutoCntrHiSpdTimer1PinTrq HwNm f32	8.9376688		
k AutoCntrHiSpdTimer1VehSpd kph f32	204.072876		
k AutoCntrHiSpdTimer1 mS u16	5222		
k AutoCntrHiSpdTimer2 mS u16	4240		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	93.8445969		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	8.16609764		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	68		
k_AutoCntrHiSpdTimer4_mS_u16	31042		
k AutoCntrLoSpdCntrWindow HwDeg f32	95.9834061		
k AutoCntrLoSpdFilt1Kn Hz f32	0.00499999989		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	195.818787		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.82910013		
k AutoCntrLoSpdTimer1VehSpd kph f32	29.3435669		
k AutoCntrLoSpdTimer1 mS u16	25532		
k_AutoCntrLoSpdTimer2_mS_u16	27401		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.0344000012		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.608399987		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	785.888		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	312.352844	312.352844 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	68	68 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.16609764	8.16609764 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	93.8445969	93.8445969 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31042	31042 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	575.91394	575.91394 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	204.072876	204.072876 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.9376688	8.9376688 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0222664	32.0222664 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4240	4240 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.818787	195.818787 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.9834061	95.9834061 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532	25532 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401	27401 ± 2	~
	The state of the s	3323480832	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832	3323400032	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3323480832 3323480832	3323480832	~
			*
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3323480832	3323480832	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3323480832 6.28232956e-005	3323480832 6.28298803e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3323480832 6.28232956e-005 6.28232956e-005	3323480832 6.28298803e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.95 (Repeat Count = 1)		✓
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	





Name	Input Value		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.2738266		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0458000004		
k AutoCntrHiSpdFilt2Kn Hz f32	0.0630000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	460.901886		
k AutoCntrHiSpdTimer1PinTrq HwNm f32	8.00629902		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	92.026535		
k_AutoCntrHiSpdTimer1_mS_u16	16931		
k_AutoCntrHiSpdTimer2_mS_u16	4574		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.3993683		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	119.134666		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	103.723984		
k_AutoCntrHiSpdTimer4_mS_u16	51145		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	65.2026672		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	581.690918		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.79465103		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	236.401962		
k_AutoCntrLoSpdTimer1_mS_u16	46296		
k_AutoCntrLoSpdTimer2_mS_u16	9393		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0458000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.61500001		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-809.921021		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	71426560		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666	119.134666 ± 0.2	~
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	103.723984	103.723984 ± 0.5	~
vensyng alleen selepa_m_earvenepa_npn_rez	100.720001	100.12000120.0	
VehDvn_AutoCntrDetSnd_M_str_FiltPinTrg_HwNm_f32	0	0 + 0 04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0 51 3993683	0 ± 0.04	_
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.3993683	51.3993683 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51.3993683 16931	51.3993683 ± 0.0625 16931 ± 2	*
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51.3993683 16931 51145	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2	\(\frac{1}{2}\)
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	51.3993683 16931 51145 71426560	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	51.3993683 16931 51145 71426560 71426560	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560	***
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06	***************************************
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5	***************************************
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04	***************************************
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5	***************************************
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2	***************************************
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2	***************************************
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 71426560	***************************************
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560 71426560	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2	***************************************
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VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Tnresh_mS_u20 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u20 VehDyn	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560 71426560 71426560 71426560	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 71426560 71426560	> > > > > > > > > > > > > > > > > > >
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VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560 71426560 0.000113070011 0.000314116478 0.000575363636	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06	> > > > > > > > > > > > > > > > > > >
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2Dresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560 71426560 0.000113070011 0.000314116478	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓





Test Step 2.96 (Repeat Count = 1)			V
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_	_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	58.6891289		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	57.2952843		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.56739569		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	11.313797		
k_AutoCntrHiSpdTimer1_mS_u16	20825		
k_AutoCntrHiSpdTimer2_mS_u16	12456		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	91.4300919		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	459.889984 18.1788235		
k AutoCntrHiSpdTimer4VehSpd kph f32	195.647476		
k AutoCntrHiSpdTimer4 mS u16	47347		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	45.5890503		
k AutoCntrLoSpdFilt1Kn Hz f32	0.0250000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0670000017		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.074249		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5773945		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	208.55397		
k AutoCntrLoSpdTimer1 mS u16	19617		
k AutoCntrLoSpdTimer2 mS u16	42138		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.45660001		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-233.128998		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	0		
Name	Actual Value	Form a set of Malion	1
HAIN	Actual value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	459.889984	459.889984 ± 0.2	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		•	•
	459.889984	459.889984 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	459.889984 195.647476	459.889984 ± 0.2 195.647476 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	459.889984 195.647476 18.1788235	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	459.889984 195.647476 18.1788235 91.4300919	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	459.889984 195.647476 18.1788235 91.4300919 20825	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	459.889984 195.647476 18.1788235 91.4300919 20825 47347	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	459.889984 195.647476 18.1788235 91.4300919 20825 47347	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 $0.00031410993 \pm 1.25663627181805E-06$ $0.000841592497 \pm 1.25663627181805E-06$ 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 $0.00031410993 \pm 1.25663627181805E-06$ $0.000841592497 \pm 1.25663627181805E-06$ 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 $0.00031410993 \pm 1.25663627181805E-06$ $0.000841592497 \pm 1.25663627181805E-06$ 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2	0
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VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NitrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NitrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NitrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 195.074249 208.55397 15.5773945 45.5890503 19617 42138 0 0 0.000314116478 0.000314116478	459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 15.5773945 ± 0.04 45.5890503 ± 0.0625 19617 ± 2 42138 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	~

Test Step 2.97 (Repeat Count = 1) Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	39.9920425	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00019999995	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	595.803711	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	249.256897	
k_AutoCntrHiSpdTimer1_mS_u16	51762	
k AutoCntrHiSpdTimer2 mS u16	1234	
 AutoCntrHiSpdTimer4CntrWindow HwDeg f32 	52.9036674	
AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	637.189331	
 <_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.48333788	
AutoCntrHiSpdTimer4VehSpd_kph_f32	60.9433594	
<pre>datans_u16</pre>	35091	
<a block"="" href="mailto:c_mai</td><td>70.5879364</td><td></td></tr><tr><td><pre>c_autoCntrLoSpdFilt1Kn_Hz_f32</pre></td><td>0.063000001</td><td></td></tr><tr><td>AutoCntrLoSpdFilt2Kn Hz f32</td><td>0.00600000005</td><td></td></tr><tr><td>k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32</td><td>112.469505</td><td></td></tr><tr><td>AutoCntrLoSpdTimer1PinTrg HwNm f32</td><td>9.19094181</td><td></td></tr><tr><td>AutoCntrLoSpdTimer1VehSpd kph f32</td><td>138.473877</td><td></td></tr><tr><td>AutoCntrLoSpdTimer1_mS_u16</td><td>45601</td><td></td></tr><tr><td><pre>c_ulcontrLoSpdTimer2_mS_u16</pre></td><td>16090</td><td></td></tr><tr><td>x_AutoCntrPinTrqLPFCoeffKn_Hz_f32</td><td>0.0250000004</td><td></td></tr><tr><td>SLPEnableBFCheck Cnt lgc</td><td>0</td><td></td></tr><tr><td>SLPHwAuthority Uls f32</td><td>0.463200003</td><td></td></tr><tr><td>arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32</td><td>-257.161987</td><td></td></tr><tr><td>arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc</td><td>1</td><td></td></tr><tr><td>rarget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc</td><td>1</td><td></td></tr><tr><td>target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset</td><td>target_Pim_MotPosReset</td><td></td></tr><tr><td>tgt_GetSystemTime_mS_u32_CurrentTime</td><td>4294967295</td><td></td></tr><tr><td></td><td></td><td>Boou</td></tr><tr><td>Name</td><td>Actual Value Expected Value 637.189331 637.189331 ± 0.2</td><td>Resu</td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32</td><td></td><td></td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32</td><td>60.9433594 ± 0.5</td><td></td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32</td><td>4.48333788 ± 0.04</td><td></td></tr><tr><td>/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32</td><td>52.9036674 52.9036674 ± 0.0625</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16</td><td>51762 51762 ± 2</td><td></td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16</td><td>35091 35091 ± 2</td><td></td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32</td><td>35091 35091 ± 2
4294967295 4294967295</td><td></td></tr><tr><td>/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32</td><td>35091 35091 ± 2 4294967295 4294967295 4294967295 4294967295</td><td>,</td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32</td><td>35091 35091 ± 2 4294967295 4294967295 4294967295 4294967295 0.000791370869 0.000791368075 ± 1.25663627181805E-0</td><td>6</td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32</td><td>35091 35091 ± 2
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4294967295 4294967295
0.000791370869 0.000791368075 ± 1.25663627181805E-0
7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0</td><td>6</td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32</td><td>35091 35091 ± 2
4294967295 4294967295
4294967295 4294967295
0.000791370869 0.000791368075 ± 1.25663627181805E-0
7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0
595.803711 595.803711 ± 0.2</td><td>6</td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32</td><td>35091 35091 ± 2
4294967295 4294967295
4294967295 4294967295
0.000791370869 0.000791368075 ± 1.25663627181805E-0
7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0
595.803711 595.803711 ± 0.2
249.256897 249.256897 ± 0.5</td><td>6</td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32</td><td>35091 35091 ± 2
4294967295 4294967295
4294967295 4294967295
0.000791370869 0.000791368075 ± 1.25663627181805E-0
7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0
595.803711 595.803711 ± 0.2
249.256897 249.256897 ± 0.5
20 ± 0.04</td><td>6</td></tr><tr><td>VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHyPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32</td><td>35091 35091 ± 2
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4294967295 4294967295
0.000791370869 0.000791368075 ± 1.25663627181805E-0
7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0
595.803711 595.803711 ± 0.2
249.256897 249.256897 ± 0.5
20 20 ± 0.04
39.9920425 39.9920425 ± 0.0625</td><td>6</td></tr><tr><td>/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16</td><td>35091 35091 ± 2
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595.803711 595.803711 ± 0.2
249.256897 249.256897 ± 0.5
20 20 ± 0.04
39.9920425 39.9920425 ± 0.0625
51762 51762 ± 2</td><td>6</td></tr><tr><td>/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NetPost_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16</td><td>35091 35091 ± 2
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4294967295 4294967295
0.000791370869 0.000791368075 ± 1.25663627181805E-0
7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0
595.803711 595.803711 ± 0.2
249.256897 249.256897 ± 0.5
20 20 ± 0.04
39.9920425 39.9920425 ± 0.0625
51762 51762 ± 2
1234 1234 ± 2</td><td>6</td></tr><tr><td>/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NetNetNetNetNetNetNetNetNetNetNetNetNetN</td><td><math display=">\begin{array}{cccccccccccccccccccccccccccccccccccc	6	
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VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	35091 35091 ± 2 4294967295 4294967295 4294967295 0.000791370869 0.000791368075 ± 1.25663627181805E-0 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 0.5 20 20 ± 0.04 39.9920425 39.9920425 ± 0.0625 51762 51762 ± 2 1234 1234 ± 2 4294967295 4294967295 4294967295 4294967295 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-0 0.000439703465 0.000439726253 ± 1.25663627181805E-0 112.469505 112.469505 ± 0.2 138.473877 138.473877 ± 0.5 9.19094181 9.19094181 ± 0.04	663
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	35091 35091 ± 2 4294967295 4294967295 4294967295 0.000791370869 0.000791368075 ± 1.25663627181805E-0 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 0.5 20 20 ± 0.04 39.9920425 39.9920425 ± 0.0625 51762 51762 ± 2 1234 1234 ± 2 4294967295 4294967295 4294967295 4294967295 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-0 0.000439703465 0.000439726253 ± 1.25663627181805E-0 112.469505 112.469505 ± 0.2 138.473877 138.473877 ± 0.5 9.19094181 9.19094181 ± 0.04 70.5879364 70.5879364 ± 0.0625	6666
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Dhresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Dhresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Dhresh_mS_u20 VehDyn_AutoCntrHiSpd_M_str.Timer1Dhresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Dhresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Str.Ner1Dhresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	35091 35091 ± 2 4294967295 4294967295 4294967295 0.000791370869 0.000791368075 ± 1.25663627181805E-0 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 0.5 20 20 ± 0.04 39.9920425 39.9920425 ± 0.0625 51762 51762 ± 2 1234 1234 ± 2 4294967295 4294967295 4294967295 4294967295 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-0 0.000439703465 0.000439726253 ± 1.25663627181805E-0 112.469505 112.469505 ± 0.2 138.473877 138.473877 ± 0.5 9.19094181 9.19094181 ± 0.04 70.5879364 70.5879364 ± 0.0625	66
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	35091 35091 ± 2 4294967295 4294967295 4294967295 0.000791370869 0.000791368075 ± 1.25663627181805E-0 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 0.5 20 20 ± 0.04 39.9920425 39.9920425 ± 0.0625 51762 51762 ± 2 1234 1234 ± 2 4294967295 4294967295 4294967295 4294967295 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-0 0.000439703465 0.000439726253 ± 1.25663627181805E-0 112.469505 112.469505 ± 0.2 138.473877 138.473877 ± 0.5 9.19094181 9.19094181 ± 0.04 70.5879364 70.5879364 ± 0.0625 45601 45601 ± 2 16090 16090 ± 2	66
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	35091 35091 ± 2 4294967295 4294967295 4294967295 4294967295 0.000791370869 0.000791368075 ± 1.25663627181805E-0 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-0 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 0.5 20 20 ± 0.04 39.9920425 39.9920425 ± 0.0625 51762 51762 ± 1234 ± 2 4294967295 4294967295 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-0 0.000439703465 0.000439726253 ± 1.25663627181805E-0 0.000439703465 112.469505 ± 0.2 138.473877 138.473877 ± 0.5 9.19094181 9.19094181 ± 0.04 70.5879364 70.5879364 ± 0.0625 45601 45601 ± 2 16090 16090 ± 2 4294967295	66





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.463200003	0.463200003	~
VehDyn SLPHwPos HwDeg M f32	-257.161987	-257.161987	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.98 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Currer		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		ngMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	40.3496017		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0560000017		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	31.3933392		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.8332462		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	3.91197205		
k_AutoCntrHiSpdTimer1_mS_u16	49799		
k_AutoCntrHiSpdTimer2_mS_u16	1568		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	46.9611549		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	190.477554		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.47036648		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	178.790085		
k_AutoCntrHiSpdTimer4_mS_u16	53632		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	50.4249611		
x_AutoCntrLoSpdFilt1Kn_Hz_f32	0.061999999		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00779999979		
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	114.137932		
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	1.6375922		
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	109.448532		
<_AutoCntrLoSpdTimer1_mS_u16	37638		
_AutoCntrLoSpdTimer2_mS_u16	34521		
<pre>c_AutoCntrPinTrqLPFCoeffKn_Hz_f32</pre>	0.00499999989		
_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.469799995		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-281.195007		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	190.477554	190.477554 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	178.790085	178.790085 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.47036648	6.47036648 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.9611549	46.9611549 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49799	49799 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53632	53632 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	
VehDyn_AutoChtrHiSpd_M_str.MtrVel_MtrRadpS_f32	31.3933392	31.3933392 ± 0.2	
VenDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	3.91197205	3.91197205 ± 0.5	
, = , = = , =, =			
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.8332462	16.8332462 ± 0.04	
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	40.3496017	40.3496017 ± 0.0625	
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49799	49799 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1568	1568 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272	1720406272	
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272	1720406272	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	
	114.137932	114.137932 ± 0.2	
	400 440500	109.448532 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	109.448532		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.6375922	1.63759208 ± 0.04	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32			
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.6375922	1.63759208 ± 0.04	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1720406272	1720406272	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

Test Step 2.99 (Repeat Count = 1) Name	Innut Value	
	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68037319	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226	
k_AutoCntrHiSpdTimer1_mS_u16	30272	
k_AutoCntrHiSpdTimer2_mS_u16	2904	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363	
k_AutoCntrHiSpdTimer4_mS_u16	3628	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591	
k_AutoCntrLoSpdTimer1_mS_u16	36412	
k_AutoCntrLoSpdTimer2_mS_u16	14998	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0225000009	
k_SLPEnableBFCheck_Cnt_lgc	1.	
k_SLPHwAuthority_Uls_f32	0.496199995	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-377.326996	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408	
Name	Actual Value Expected Value	Resu
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	272.816681 272.816681 ± 0.2	11000
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363 209.062363 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011 13.0401011 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963 51.7886963 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272 30272 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628 3628 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2+mesit_ms_u32	1662097408 1662097408	
	1662097408 1662097408	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0.000791370869 0.000791368075 ± 1.25663627181805E-0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-	00
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	416.42218	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226 ± 0.5	
VehDyn_AutoCotrl ISad_M_str.FiltPinTrq_HwNm_f32	8.68037319	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915 24.5077915 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904 2904 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408 1662097408	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1662097408 1662097408	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00028270483	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591 125.396591 ± 0.5	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.55805016	6.55805016 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	59.735672	59.735672 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	36412	36412 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14998	14998 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1662097408	1662097408	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1662097408	1662097408	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00028270483	0.000282703375 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.496199995	0.496199995	•
VehDyn_SLPHwPos_HwDeg_M_f32	-377.326996	-377.326996	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Test Step 2.100 (Repeat Count = 1) Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
	target Rte Inst Ap VehDyn 2	
Rte_Inst_Ap_VehDyn	91.3826141	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0491000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	683.818359	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0.0764636993	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	34.4863586	
k_AutoCntrHiSpdTimer1_mS_u16	23210	
k_AutoCntrHiSpdTimer2_mS_u16	3238	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1060562	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	108.829964	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.80758381	
<_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.04245	
k_AutoCntrHiSpdTimer4_mS_u16	7187	
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	53.7309608	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995	
<_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	228.670547	
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.7742443	
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	174.289764	
<_AutoCntrLoSpdTimer1_mS_u16	11413	
k_AutoCntrLoSpdTimer2_mS_u16	48604	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001	
k_SLPEnableBFCheck_Cnt_lgc	0	
k SLPHwAuthority Uls f32	0.502799988	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-401.359985	
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1	
rarget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208	
Name	Actual Value Expected Value	Resi
	108.829964 108.829964 ± 0.2	Kesi
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562 75.1060562 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210 23210 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208 2127166208	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2127166208 2127166208	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027 0.000403299142 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	683.818359 683.818359 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.4863586 ± 0.5	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.0764636993	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.3826141 ± 0.0625	
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	23210 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3238 ± 2	
	2127166208 2127166208	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127100200	

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000616788864	0.000616818492 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	228.670547	228.670547 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	174.289764	174.289764 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7742443	16.7742443 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.7309608	53.7309608 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	11413	11413 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	48604	48604 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.502799988	0.502799988	~
VehDyn_SLPHwPos_HwDeg_M_f32	-401.359985	-401.359985	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Test Case 3: Path Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles: TS3.1 3945.00 Cycles TS3.2 3974.00 Cycles TS3.3 3945.00 Cycles

Description

Vector Description:

 $\label{total continuous} TS 3.1(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) \&\& (((FaultBFActive_Cnt_T_lgc \& k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=False \\ TS 3.2(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) \&\& (((FaultBFActive_Cnt_T_lgc \& k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=False \\ TS 3.3(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) \&\& (((FaultBFActive_Cnt_T_lgc \& k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=True \\ \\$

Test Step 3.1 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	0
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	0
k_AutoCntrHiSpdTimer1_mS_u16	0
k_AutoCntrHiSpdTimer2_mS_u16	0
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	0
k_AutoCntrHiSpdTimer4_mS_u16	0
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00019999995
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00019999995
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	0
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	0
k_AutoCntrLoSpdTimer1_mS_u16	0
k_AutoCntrLoSpdTimer2_mS_u16	0
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00019999995
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	0		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0	0 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0	0 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0	0 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_UIs_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 3.2 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.100000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	700
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255
k_AutoCntrHiSpdTimer1_mS_u16	60000
k_AutoCntrHiSpdTimer2_mS_u16	60000
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	100
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	255
k_AutoCntrHiSpdTimer4_mS_u16	60000
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	100
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.100000001
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255
k_AutoCntrLoSpdTimer1_mS_u16	60000
k_AutoCntrLoSpdTimer2_mS_u16	60000
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	1





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 3.3 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	16.8675175
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00779999979
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	511.249969
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.49991417
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	119.398392
k_AutoCntrHiSpdTimer1_mS_u16	19956
k_AutoCntrHiSpdTimer2_mS_u16	1111
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.1357269
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	577.715271
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.6059322
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	69.9332428
k_AutoCntrHiSpdTimer4_mS_u16	47307
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	97.2305069
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0649999976
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.4742603
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	113.628799
k_AutoCntrLoSpdTimer1_mS_u16	49475

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VehDyn_Init1

Name	Input Value		
k_AutoCntrLoSpdTimer2_mS_u16	38708		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.00120000006		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgr			
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428	69.9332428 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307	47307 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	511.249969	511.249969 ± 0.2	-
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	119.398392	119.398392 ± 0.5	-
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.49991417	2.49991417 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	16.8675175	16.8675175 ± 0.0625	-
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1111	1111 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272	1720406272	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272	1720406272	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	-
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	113.628799	113.628799 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.4742603	16.4742603 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.2305069	97.2305069 ± 0.0625	•
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	49475	49475 ± 2	-
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	38708	38708 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1720406272	1720406272	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1720406272	1720406272	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	-
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn SLPHwAuth Uls M f32	0.00120000006	0.00120000006	-
VehDyn_SLPHwPos_HwDeg_M_f32	1425.14795	1425.14795	-

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

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Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Per1

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\VehDyn
Configuration File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\utp\contract -I\$(PROJECTROOT)\utp\contract\Ap_VehDyn -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

ame	Text
odule 'VehDyn'	**************************************
	Name of Tester:Spoorti Mali
	Code File(s) Under Test:Ap_VehDyn.c
	Code File(s) Version:8
	Module Design Document:VehDyn_MDD.docx
	Module Design Document Version:9
	Data Dictionary Version:10 Unit Test Plan Version:6
	Optimization Level:Level 2
	Compiler (CodeGen) Version:TMS470 4.9.5
	Model Type:Excel Macro
	Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32
	Total FLASH Used (Bytes):2278
	Total RAM Used (Bytes):201
	Total CALS Used (Bytes):115
	Special Test Requirements:
	Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	Comments. NOTE 1. Infine function destined in Globol Macron. Tale not unit tested. NOTE2: ""CBD Sandbox dbq.map" map file is embedded for reference."

Attributes		
Name	Value	
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5	
Float Precision	9	
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	
Linker File	\$(InitObjDir)\sys_link.cmd	
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl	
Target Install Path	\$(ProgramFiles)\pls	
Time Unit	Cycles	
Timer Enabled	false	

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VehDyn_Per1



Attributes	
Name	Value
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metric Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles : TS 1.1 1031.00 Cycles TS 1.2 1480.00 Cycles

Description

Vector Description:

 $TS 1.1"Shortest Execution Path: \\ (AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32) = TRUE \&\& (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32) = FALSE \\ (AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32) = TRUE \&\& (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32) = FALSE \\ (AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32) = TRUE \&\& (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32) = FALSE \\ (AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32) = TRUE \&\& (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32) = FALSE \\ (AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32) = TRUE \&\& (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32) = FALSE \\ (AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32) = TRUE \&\& (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32) = FALSE \\ (AbsHwTorque_HwNm_f32) = TRUE \&\& (ElapsedTime_mS_u32 > k_SrlHwAgVldTiThd_mS_u32 >$

(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=TRUE && (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_L && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE) =TRUE }=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE) =FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == FALSE) && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE) =FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE) =FALSE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && ((CwEOTPosition_HwDeg_T_f32))=TRUE/FALSE && ((CcwEOTPosition_HwDeg_T_f32)>=(VehDyn_MaxOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((CcwEOTPosition_HwDeg_T_f32))=TRUE/FALSE && ((CcwEOTPosition_HwDeg_T_f32)=TRUE/FALSE && ((CcwEOTPosition_HwDeg_T_f32))=TRUE/FALSE && ((CcwEOTPosition_HwDeg_T_f32)=TRUE/FALSE && ((CcwEOT

TS 1.2"Longest Execution Path:

(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=FALSE && (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32)=TRUE

&& (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE) =FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE) =FALSE &&

(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&

(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) =FALSE &&

(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE) =FALSE &&

(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE) =FALSE &&

(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE) =FALSE &&

(VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc == TRUE) =FALSE &&

(VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE && ((VehDyn_MaxOffset_HwDeg_M_f32<=((CwEOTPosition_HwDeg_T_f32 - OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&

((CwEOTPosition_HwDeg_T_f32)))=TRUE/FALSE &&

((CwEOTPosition_HwDeg_T_f32))=TRUE/FALSE &&

((CwEOTPosition_HwDeg_T_f32)<-(VehDyn_MaxOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&

((MaxAbsHwPos_HwDeg_T_f32) < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=TRUE

&&((Deadband_Uls_T_f32 > b_NOAUTH_ULS_F32)=FALSE && (TravelXCHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE && (SnsrlessHwAuth_Uls_T_f32 > 1)=TRUE/FALSE"

est Step 1.1 (Repeat Count = 1)	
ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	631.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.2299995
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000167299993
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	10.6999998

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.7000008		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.6999981		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7000008 13352		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.66000006e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	389.126007		
VehDyn_MinOffset_HwDeg_M_f32	-1412.41797		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000254999992		
VehDyn SLPHwAuth Uls M f32	0.926999986		
VehDyn_SLPHwPos_HwDeg_M_f32	-1548.10999		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736		
k_HiSpdVDAuthority_Uls_f32	0.75999999		
k_HwTqMgnThd_HwNm_f32	1		
k_LoSpdVDAuthority_UIs_f32	0.560000002		
k_SrlHwAgVldTiThd_mS_u32	9		
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992		
k_TravelXCDeadband_Uls_f32	7.01000023		
k_TraveIXCHwAuthority_Uls_f32	0.0203000009		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	65		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f3	3	
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target VehDyn Per1 SensorlessHwPos H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	0_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SriHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f:	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1413.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	418.868011		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.75		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.1399994	Francis al Victor	
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1078320770	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779 3174948758	1078320779 3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV/ HwDeg_str.SV/ Llls_f32	-880.02002	-880.02002 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-880.02002 -880.02002	-880.02002 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	-880.02002 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2075080192	2075080192	
	0474040750		

3174948758

-880.02002

3174948758

-880.02002 ± 0.0009

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32

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VehDyn_Per1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	418.868011	418.868011	✓
VehDyn_MinOffset_HwDeg_M_f32	-1413.10999	-1413.10999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50220323	1.50220323 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	320.47998	320.480011 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	200.399994
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	52.4000015
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	14.399996
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	63.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.700012		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.699997		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.6999998		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1172.87		
VehDyn_MinOffset_HwDeg_M_f32	-363.029999		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993		
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	0.00120000006		
k_LoSpdVDAuthority_UIs_f32	0.89999976		
k_SrlHwAgVldTiThd_mS_u32	112		
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997		
k_TravelXCDeadband_Uls_f32	3.38000011		
k_TravelXCHwAuthority_Uls_f32	0.212624997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32	JS_IJ2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_veribyii_i eri_iteriwi os_riwbeg_ioz)	
target_rate_mot_rp_venbyn_ren_genboneserationty_clo_loz	target VehDyn Per1 SensorlessAuthority II		
target Rte Inst An VehDvn VehDvn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessAuthority_U	ls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_StiHwAgVid_Cnt_loc	target_VehDyn_Per1_SensorlessHwPos_Hw	ls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	ls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32	ls_f32 Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	ls_f32 Deg_f32 m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f3;	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 430.290009	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.59999999	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.59999999	ls_f32 Deg_f32 m_f32 tt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.59999999 0 230	ls_f32 Deg_f32 m_f32 t_lgc 2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value	Is_f32 Deg_f32 m_f32 t_lgc 2 Expected Value	Result
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0	Is_f32 Deg_f32 m_f32 t_lgc 2 Expected Value 0	~
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0 1024	Is_f32 Deg_f32 m_f32 t_lgc 2 Expected Value 0 1024	~
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0 1024 54822322	Is_f32 Deg_f32 m_f32 t_lgc 2 Expected Value 0 1024 54822322	~
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0 1024 54822322 -714.090027	Expected Value 0 1024 54822322 -714.090027 ± 0.0009	*
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Neb_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0 1024 54822322 -714.090027 -714.090027	Expected Value 0 1024 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0 1024 54822322 -714.090027 0	Expected Value 0 1024 54822322 -714.090027 ± 0.0009 0	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 230 Actual Value 0 1024 54822322 -714.090027 -714.090027 0 0	Expected Value 0 1024 54822322 -714.090027 ± 0.0009 0 0	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0 1024 54822322 -714.090027 -714.090027 0 0 0	Expected Value 0 1024 54822322 -714.090027 ± 0.0009 0 0 0	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 230 Actual Value 0 1024 54822322 -714.090027 -714.090027 0 0	Expected Value 0 1024 54822322 -714.090027 ± 0.0009 0 0	

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VehDyn_Per1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	~
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.49870157	1.49870157 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.275999993	0.275999993 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-651.380005	-651.380005 ± 0.1	~

VehDyn_Per1

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Test Case 2: Boundary Test

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VehDyn_Per1 Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles:
TS 2.1 1055.00 Cycles
TS 2.2 1052.00 Cycles
TS 2.3 1041.00 Cycles
TS 2.4 1273.00 Cycles
TS 2.5 1034.00 Cycles TS 2.5 1034.00 Cycles TS 2.6 1260.00 Cycles TS 2.7 1040.00 Cycles TS 2.8 1055.00 Cycles TS 2.9 1045.00 Cycles TS 2.10 1250.00 Cycles TS 2.11 1029.00 Cycles TS 2.12 1267.00 Cycles TS 2.12 1267.00 Cycles
TS 2.13 1045.00 Cycles
TS 2.14 1262.00 Cycles
TS 2.15 1033.00 Cycles
TS 2.16 1261.00 Cycles
TS 2.17 1044.00 Cycles TS TS TS 2.18 1262.00 Cycles 2.19 1051.00 Cycles 2.20 1267.00 Cycles TS 2.20 1267.00 Cycles
TS 2.21 1253.00 Cycles
TS 2.22 1253.00 Cycles
TS 2.23 1031.00 Cycles
TS 2.24 1267.00 Cycles
TS 2.25 1057.00 Cycles
TS 2.26 1250.00 Cycles
TS 2.27 1032.00 Cycles
TS 2.28 1267.00 Cycles
TS 2.29 1062.00 Cycles
TS 2.29 1062.00 Cycles
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TS 2.62 1263.00 Cycles
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TS 2.66 1283.00 Cycles
TS 2.67 1036.00 Cycles
TS 2.68 1034.00 Cycles
TS 2.69 1267.00 Cycles
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TS 2.73 1044.00 Cycles 2.73 1064.00 Cycles 2.74 1282.00 Cycles 2.75 1032.00 Cycles 2.76 1270.00 Cycles TS TS TS TS TS 2.77 1055.00 Cycles 2.78 1051.00 Cycles 2.79 1282.00 Cycles TS 2.80 1056.00 Cycles TS 2.81 1277.00 Cycles TS 2.82 1266.00 Cycles TS 2.83 1049.00 Cycles 2.84 1264.00 Cycles 2.85 1052.00 Cycles 2.85 1052.00 Cycles 2.86 1048.00 Cycles 2.87 1048.00 Cycles 2.88 1264.00 Cycles TS TS TS TS TS 2.89 1044.00 Cycles 2.90 1033.00 Cycles 2.91 1035.00 Cycles TS 2.92 1249.00 Cycles 2.93 1048.00 Cycles 2.94 1266.00 Cycles 2.95 1033.00 Cycles TS TS TS 2.95 1033.00 Cycles
TS 2.96 1268.00 Cycles
TS 2.97 1050.00 Cycles
TS 2.98 1055.00 Cycles
TS 2.98 1055.00 Cycles
TS 2.99 1051.00 Cycles
TS 2.100 1049.00 Cycles
TS 2.100 1049.00 Cycles
TS 2.101 1046.00 Cycles
TS 2.102 1274.00 Cycles
TS 2.103 1056.00 Cycles
TS 2.104 1249.00 Cycles
TS 2.105 1266.00 Cycles
TS 2.105 1270.00 Cycles
TS 2.106 1270.00 Cycles
TS 2.107 1263.00 Cycles
TS 2.108 1032.00 Cycles
TS 2.109 1281.00 Cycles

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TS 2.110 1061.00 Cycles TS 2.111 1252.00 Cycles TS 2.112 1043.00 Cvcles 2.113 1265.00 Cycles 1289.00 Cycles TS 2.115 1036.00 Cycles TS 2.116 1248.00 Cycles TS 2.117 1051.00 Cycles TS 2.118 1265.00 Cycles TS 2.119 1030.00 Cycles 1249.00 Cycles 1052.00 Cycles 1266.00 Cycles 1032.00 Cycles TS TS 2.120 2.121 2.122 2.123 2.124 TS TS TS TS TS 1265.00 Cycles 1289.00 Cycles 1269.00 Cycles 2.125 2.126 1264.00 Cycles 1251.00 Cycles 1065.00 Cycles 1265.00 Cycles TS TS 2.127 2.128 2.129 2.130 2.131 1049.00 Cycles 1261.00 Cycles 1046.00 Cycles 1280.00 Cycles TS TS TS TS 2.132 2.133 2.134 TS TS TS TS 2.135 2.136 2.137 2.138 1052.00 Cycles 1032.00 Cycles 1252.00 Cycles 1266.00 Cycles 2.138 1266.00 Cycles 2.139 1051.00 Cycles 2.140 1032.00 Cycles 2.141 1252.00 Cycles 2.142 1278.00 Cycles 2.143 1032.00 Cycles 2.144 1265.00 Cycles 2.145 1059.00 Cycles 2.146 1044.00 Cycles 2.147 1265.00 Cycles 2.148 1036.00 Cycles 2.149 1277.00 Cycles 2.149 1277.00 Cycles 2.150 1052.00 Cycles 2.151 1249.00 Cycles TS 2.151 1049.00 Cycles 2.152 1033.00 Cycles 2.153 1049.00 Cycles 2.154 1261.00 Cycles 2.155 1035.00 Cycles TS TS TS TS TS 2.156 1252.00 Cycles 1049.00 Cycles TS 2.157 1049.00 Cycles TS 2.158 1265.00 Cycles TS 2.159 1035.00 Cycles TS 2.160 1046.00 Cycles TS 2.161 1052.00 Cycles TS 2.161 1052.00 Cycles TS 2.163 1267.00 Cycles TS 2.164 1258.00 Cycles TS 2.166 1268.00 Cycles TS 2.166 837.00 Cycles TS 2.167 1250.00 Cycles \$2.166 837.00 Cycles
\$2.167 1250.00 Cycles
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\$2.168 387.00 Cycles
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\$2.170 1045.00 Cycles
\$2.171 1264.00 Cycles
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\$2.173 1269.00 Cycles
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\$2.179 1266.00 Cycles
\$2.180 1048.00 Cycles
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\$2.181 1250.00 Cycles
\$2.182 1252.00 Cycles
\$2.183 1048.00 Cycles TS 2.183 2.184 2.185 1048.00 Cycles 1031.00 Cycles 1034.00 Cycles 1030.00 Cycles TS TS 2.186 2.187 1050.00 Cycles 1051.00 Cycles 1267.00 Cycles 1258.00 Cycles 1283.00 Cycles 1283.00 Cycles 1250.00 Cycles TS TS 2.189 TS TS TS 2.191 2.192 2.193 2.194 2.195 2.196 2.197 836.00 Cycles 1272.00 Cycles 1037.00 Cycles 1266.00 Cycles TS TS TS TS 2.197 2.198 2.199 2.200 2.201 2.202 1266.00 Cycles 1049.00 Cycles 1264.00 Cycles 1045.00 Cycles 1268.00 Cycles 1272.00 Cycles 1062.00 Cycles TS TS TS TS TS 2.203 1269.00 Cycles 1269.00 Cycles 1045.00 Cycles 1049.00 Cycles 1270.00 Cycles 2.205 TS TS TS 2.206 2.207 2.208 2.209 TS TS 2.210 1266.00 Cycles 2.211 1051.00 Cycles 2.212 1264.00 Cycles TS TS TS TS 2.212 1264.00 Cycles 2.213 1263.00 Cycles 2.214 1061.00 Cycles 2.215 1033.00 Cycles 2.216 1267.00 Cycles 2.217 1037.00 Cycles 2.218 1043.00 Cycles 2.219 1050.00 Cycles 2.220 1248.00 Cycles TS TS 2.218 1043.00 Cycles 2.219 1050.00 Cycles 2.220 1248.00 Cycles 2.221 1048.00 Cycles 2.222 1049.00 Cycles 2.223 1048.00 Cycles TS

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TS 2.224 1062.00 Cycles
TS 2.225 1031.00 Cycles
TS 2.226 1251.00 Cycles
TS 2.226 1251.00 Cycles
TS 2.227 1265.00 Cycles
TS 2.228 1048.00 Cycles
TS 2.228 1048.00 Cycles
TS 2.230 1049.00 Cycles
TS 2.231 1266.00 Cycles
TS 2.232 1062.00 Cycles
TS 2.233 1667.00 Cycles
TS 2.233 1267.00 Cycles
TS 2.233 1267.00 Cycles
TS 2.236 1250.00 Cycles
TS 2.237 836.00 Cycles
TS 2.238 1272.00 Cycles
TS 2.241 1048.00 Cycles
TS 2.242 1048.00 Cycles
TS 2.241 1048.00 Cycles
TS 2.241 1048.00 Cycles
TS 2.242 1048.00 Cycles
TS 2.243 1266.00 Cycles
TS 2.244 1046.00 Cycles
TS 2.245 1260.00 Cycles
TS 2.246 1030.00 Cycles
TS 2.247 1249.00 Cycles
TS 2.248 1263.00 Cycles
TS 2.249 1271.00 Cycles
TS 2.251 1257.00 Cycles
TS 2.255 1050.00 Cycles
TS 2.256 1052.00 Cycles
TS 2.257 1263.00 Cycles
TS 2.258 1058.00 Cycles
TS 2.259 1052.00 Cycles





Description Vector Description:

```
TS 2.1All Min
   TS 2.2All Max
   TS 2.3VehicleSpeed_Kph_f32 = Min
TS 2.4VehicleSpeed_Kph_f32 = Max
TS 2.5VehicleSpeed_Kph_f32 = Pos
   TS 2.6HwTorque_HwNm_f32 = Min
TS 2.7HwTorque_HwNm_f32 = Max
TS 2.8HwTorque_HwNm_f32 = Zero
TS 2.8HwTorque_HwNm_f32 = Zero
TS 2.9HwTorque_HwNm_f32 = Pos
TS 2.10HwTorque_HwNm_f32 = Neg
TS 2.11TorqueCmdCRF_MtrNm_f32 = Min
TS 2.12TorqueCmdCRF_MtrNm_f32 = Max
TS 2.13TorqueCmdCRF_MtrNm_f32 = Zero
TS 2.14TorqueCmdCRF_MtrNm_f32 = Pos
TS 2.15TorqueCmdCRF_MtrNm_f32 = Neg
TS 2.16VehicleSpeedValid_Cnt_lgc = Min
TS 2.17VehicleSpeedValid_Cnt_lgc = Min
TS 2.19MotorVelCRF_MtrRadpS_f32 = Min
TS 2.19MotorVelCRF_MtrRadpS_f32 = Max
TS 2.20MotorVelCRF_MtrRadpS_f32 = Zero
TS 2.21MotorVelCRF_MtrRadpS_f32 = Neg
TS 2.22MotorVelCRF_MtrRadpS_f32 = Neg
TS 2.23RelHwPos_HwDeg_f32 = Min
TS 2.24RelHwPos_HwDeg_f32 = Max
TS 2.25RelHwPos_HwDeg_f32 = Zero
  TS 2.25RelHwPos_HwDeg_f32 = Zero
TS 2.25RelHwPos_HwDeg_f32 = Pos
TS 2.27RelHwPos_HwDeg_f32 = Neg
TS 2.28k_SyskinRatio_MtrDegpHwDeg_f32 = Min
 IS 2.28k_SysKinRatio_MtrDegpHwDeg_f32 = Min
TS 2.29k_SysKinRatio_MtrDegpHwDeg_f32 = Max
TS 2.30k_SysKinRatio_MtrDegpHwDeg_f32 = Pos
TS 2.31VehDyn_PinTrqSV_M_Str.SV = Max
TS 2.32VehDyn_PinTrqSV_M_Str.SV = Min
TS 2.33VehDyn_PinTrqSV_M_Str.SV = Max
TS 2.34VehDyn_PinTrqSV_M_Str.SV = Min
TS 2.35VehDyn_PinTrqSV_M_Str.SV = Pos
TS 2.36VehDyn_PinTrqSV_M_Str.SV = Neg
TS 2.37VehDyn_PinTrqSV_M_Str.K = Min
TS 2.38VehDyn_PinTrqSV_M_Str.K = Min
   TS 2.38VehDyn_PinTrqSV_M_Str.K = Max
TS 2.39VehDyn_PinTrqSV_M_Str.K = Mid
TS 2.39VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Min
   TS 2.41VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Max
TS 2.42VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
TS 2.43VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Min
   TS 2.44VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Max
   TS 2.45VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Pos
TS 2.46VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.47VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Max
   TS 2.48VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS 2.49VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32= Min
TS 2.50VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Max
   TS 2.51VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Pos
TS 2.52VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16= Min
TS 2.53VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 = Max
   TS 2.54VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16= Pos TS 2.55VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 = Min TS 2.56VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16= Max
   TS 2.57VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16= Pos
TS 2.58VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Min
TS 2.59VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Max
   TS 2.60VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max
   TS 2.61VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Pos TS 2.62VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg TS 2.63VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min
   TS 2.64VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max TS 2.65VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Mid TS 2.66VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Neg
   TS 2.67VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Pos
TS 2.68VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Zero
TS 2.69VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos
   TS 2.70VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Min
TS 2.71VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS 2.72VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Max
   TS 2.73VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid TS 2.74VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Min TS 2.75VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Max
   TS 2.76VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Pos
TS 2.77VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Min
TS 2.78VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Max
 TS 2.78VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Max
TS 2.79VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Mid
TS 2.80VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Mijn
TS 2.81VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Max
TS 2.82VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Pos
TS 2.83VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Min
TS 2.84VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Max
TS 2.85VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 = Pos
TS 2.86VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.87VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.88VehDyn_AutoCntrLoSpd_M_str.Fil
   TS 2.89VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Min
TS 2.90VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Max
TS 2.91VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Pos
    TS 2.92VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Min
   TS 2.93VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max TS 2.94VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Pos
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TS 2.95VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Min
 TS 2.96VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Max
TS 2.97VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Pos
 TS 2.98VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Min
 TS 2.99VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Max TS 2.100VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max TS 2.101VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Pos
 TS 2.102VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg
TS 2.103VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min
TS 2.104VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max
TS 2.105VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K= Max
TS 2.106VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Min
TS 2.106VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Min
TS 2.107VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Max
TS 2.108VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Zero
TS 2.109VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Pos
TS 2.110VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Neg
 TS 2.111VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Min
TS 2.112VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Max
TS 2.113VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Mid
   TS 2.114VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Min
 TS 2.115VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Max
TS 2.116VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Pos
TS 2.117VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Min
 TS 2.118VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Max
TS 2.119VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Pos
TS 2.120VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Min
 TS 2.121VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Max
TS 2.122VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
TS 2.123VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 = Min
IS 2.123VenDyn_AutoCntrDetSpd_M_str.VenSpd_kph_f32 = Min
TS 2.124VehDyn_AutoCntrDetSpd_M_str.VenSpd_kph_f32 = Max
TS 2.125VehDyn_AutoCntrDetSpd_M_str.VenSpd_kph_f32 = Pos
TS 2.126VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32= Min
TS 2.127VenDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32= Max
TS 2.128VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS 2.129VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Min
TS 2.130VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Max
TS 2.130VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Max
 TS 2.131VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Pos
TS 2.132VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 = Min
TS 2.133VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16= Max
 TS 2.134VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 = Pos
TS 2.135VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Min
TS 2.136VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Max
 TS 2.137VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Mid
TS 2.138VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Min
TS 2.139VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Max
  TS 2.140VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Zero
TS 2.141VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = 2eto TS 2.141VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = Pos TS 2.142VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = Neg TS 2.143VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K = Min TS 2.144VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K = Min TS 2.145VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K = Mid TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = Min TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Min TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwDeg_str.SV = Min TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwDeg_str.SV = Min TS 2.146VehDyn_
 TS 2.147VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Max
TS 2.148VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Zero
TS 2.149VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos
 TS 2.150VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Neg
TS 2.151VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS 2.152VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Max
 TS 2.153VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid TS 2.154VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32= Min TS 2.155VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 = Max
 TS 2.156VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 = Pos
 TS 2.157VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32= Min
TS 2.158VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 = Max
TS 2.159VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 = Pos
TS 2.169k_HiSpdVDAuthority_Uls_f32 = Min
TS 2.161k_HiSpdVDAuthority_Uls_f32= Max
TS 2.162k_HiSpdVDAuthority_Uls_f32= Pos
TS 2.163k_LoSpdVDAuthority_Uls_f32= Min
TS 2.164k_LoSpdVDAuthority_Uls_f32= Min
TS 2.165k_LoSpdVDAuthority_Uls_f32= Max
 TS 2.166VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc= Min
TS 2.167VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc = Max
TS 2.168VehDyn_LoSpdLearnt_Cnt_M_lgc= Min
TS 2.169VehDyn_LoSpdLearnt_Cnt_M_lgc = Mlax
TS 2.169VehDyn_LoSpdLearnt_Cnt_M_lgc = Max
TS 2.170VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc = Min
TS 2.171VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc = Mlax
TS 2.172VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc = Mlax
TS 2.173VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc = Mlax
TS 2.174VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc = Mlax
TS 2.174VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc=Min
TS 2.175VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc=Max
TS 2.176VehDyn_HiSpdLearnt_Cnt_M_lgc = Min
TS 2.176VehDyn_HiSpdLearnt_Cnt_M_lgc = Max
TS 2.176VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.178VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.180VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.181VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.183VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.183VehDyn_AutoCntrDetSpd_M_str.Filter1Inable_Cnt_lgc=Min
TS 2.184VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
 TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Max
TS 2.186VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc=Min
TS 2.187VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc=Max
  TS 2.188VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc=Min
 TS 2.189VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc=Max TS 2.190VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc=Min
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TS 2.191VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc=Max
  TS 2.192VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.193VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc=Max
IS 2.193VehDyn_AutoCntrHiSpd_M_Str.Filter2Initialized_Cnt_Igc=Mix
TS 2.195VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc=Mix
TS 2.195VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc=Mix
TS 2.196CwEOT_HwDeg_f32 = Min
TS 2.197CwEOT_HwDeg_f32 = Max
TS 2.198 CwEOT_HwDeg_f32 = Mix
TS 2.199 CcwEOT_HwDeg_f32 = Mix
TS 2.201CcwEOT_HwDeg_f32 = Mix
TS 2.201CcwEOT_HwDeg_f32 = Mix
TS 2.201CcwEOT_HwDeg_f32 = Mix
TS 2.202VehDyn_Initialize_Cnt_M_Igc = Mix
TS 2.203VehDyn_Initialize_Cnt_M_Igc = Mix
TS 2.205VehDyn_MaxOffset_HwDeg_M_f32 = Mix
TS 2.205VehDyn_MaxOffset_HwDeg_M_f32 = Mix
TS 2.205VehDyn_MinOffset_HwDeg_M_f32 = Mix
TS 2.209VehDyn_MinOffset_HwDeg_M_f32 = Mix
TS 2.209VehDyn_MinOffset_HwDeg_M_f32 = Mix
TS 2.209VehDyn_MinOffset_HwDeg_M_f32 = Max
TS 2.210k_TraveIXCDeadband_UIs_f32 = Mix
TS 2.211k_TraveIXCDeadband_UIs_f32 = Mix
TS 2.213k_TraveIXCDeadband_UIs_f32 = Default
TS 2.214k_TraveIXCDeadband_UIs_f32 = Default
TS 2.214k_TraveIXCDeadband_UIs_f32 = Default
TS 2.214k_TraveIXCDeadband_UIs_f32 = Default
TS 2.214k_TraveIXCHwAUthority_UIs_f32 = Mix
  TS 2.194VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc=Min
  TS 2.214k_TravelXCHeadoranG_US_132 = Default
TS 2.214k_TravelXCHwAuthority_UIS_f32 = Min
TS 2.215k_TravelXCHwAuthority_UIS_f32 = Max
TS 2.216k_TravelXCHwAuthority_UIS_f32 = Pos/ Default
TS 2.217VehDyn_SLPHwPos_HwDeg_M_f32 = Min
TS 2.218VehDyn_SLPHwPos_HwDeg_M_f32 = Max
TS 2.219VehDyn_SLPHwPos_HwDeg_M_f32 = Zero
  TS 2.220VehDyn_SLPHwPos_HwDeg_M_f32 = Pos
  TS 2.221VehDyn_SLPHwPos_HwDeg_M_f32 = Neg
TS 2.222VehDyn_SLPHwAuth_Uls_M_f32 = Min
TS 2.223VehDyn_SLPHwAuth_Uls_M_f32 = Max
  TS 2.224VehDyn_SLPHwAuth_Uls_M_f32 = Pos
TS 2.225VehDyn_ForceCenterOffset_HwDeg_M_f32=Min
TS 2.226VehDyn_ForceCenterOffset_HwDeg_M_f32=Neg
  TS 2.227VehDyn_ForceCenterOffset_HwDeg_M_132=neg
TS 2.227VehDyn_ForceCenterOffset_HwDeg_M_f32=zero
TS 2.228VehDyn_ForceCenterOffset_HwDeg_M_f32=Pos
TS 2.230VehDyn_ForceCenterOffset_HwDeg_M_f32=Max
TS 2.230VehDyn_ForceCenterEnabled_Cnt_M_lgc=Min
TS 2.231VehDyn_ForceCenterEnabled_Cnt_M_lgc=Max
TS 2.232SrlHwAgVId_Cnt_lgc=Min
  TS 2.233SrlHwAgVld_Cnt_lgc=Max
TS 2.234SrlHwAg_HwDeg_f32=Min
TS 2.235SrlHwAg_HwDeg_f32=Neg
  TS 2.236SrlHwAg_HwDeg_f32=Zero
  TS 2.237SrlHwAg_HwDeg_f32=Pos
TS 2.237SrlHwAg_HwDeg_f32=Pos
TS 2.238SrlHwAg_HwDeg_f32=Max
TS 2.239k_HwTqMgnThd_HwNm_f32=min
TS 2.240k_HwTqMgnThd_HwNm_f32=max
TS 2.241k_HwTqMgnThd_HwNm_f32=mid
   TS 2.242k_HwTqMgnThd_HwNm_f32=default
  TS 2.243k_SrlHwAgVldTiThd_mS_u32=min
TS 2.244k_SrlHwAgVldTiThd_mS_u32=max
TS 2.245k_SrlHwAgVldTiThd_mS_u32=mid / Default
  TS 2.246VehDyn_SrlHwAgVldTimer_mS_M_u32 = Min
TS 2.247VehDyn_SrlHwAgVldTimer_mS_M_u32 = Max
TS 2.248VehDyn_SrlHwAgVldTimer_mS_M_u32 = Mid
  TS 2.249DtrmnElapsedTime_mS_u32 = Min
  TS 2.250DtrmnElapsedTime_mS_u32 = Max
TS 2.251DtrmnElapsedTime_mS_u32 = Pos
  TS 2.252GetSystemTime_m\overline{S}_u\overline{32} = Min
  TS 2.253GetSystemTime_mS_u32 = Max
TS 2.254GetSystemTime_mS_u32 = Pos
TS 2.255Rte_Call_SystemTime_DtrmnElapsedTime_mS_u32=min
  TS 2.256Rte Call_SystemTime_DtrmnElapsedTime_mS_u32=max TS 2.257Rte_Call_SystemTime_DtrmnElapsedTime_mS_u32=mid TS 2.258Rte_Call_SystemTime_GetSystemTime_mS_u32=min
  TS 2.259Rte_Call_SystemTime_GetSystemTime_mS_u32=max TS 2.260Rte_Call_SystemTime_GetSystemTime_mS_u32=mid
```

Test Step 2.1 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	l'
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M lqc	0
, = = = = = = = = = = = = = = = = = = =	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	l'
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn PinTrgSV M str.K Uls f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999





venDyn_Peri		10	DOTATO
Name	Input Value		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resul
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	7100011
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0	0	
VehDyn AutoCntrDetSpd_M_str.Filter1Initialized Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1mittalized_Cnt_lgc	0	0	
	0	0	
VehDyn_AutoCntrlliSpd_M_str.Timer1_mS_u32	0	0	
VehDyn_AutoCntrlliSpd_M_str.Timer2_mS_u32	-1600		
VehDyn_AutoCntrlliSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		-1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1600	-1600 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	360	360	•
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.2 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600





Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
	100
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn ForceCenterEnabled Cnt M Igc	1
VehDyn ForceCenterOffset HwDeg M f32	1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
	1
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn SLPHwAuth Uls M f32	1
VehDyn SLPHwPos HwDeg M f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	10
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	100000
k SysKinRatio MtrDegpHwDeg f32	100
k_TravelXCDeadband_Uls_f32	100
k TravelXCHwAuthority Uls f32	1
, <u> </u>	
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	Ti 4294967295
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	e 4294967295
toward Dto Joseph An Volo Derry Volo Derry Donat Const COT Uni Dear 1900	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_veribyit_i eri_comeor_inmbeg_loz
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_lgc	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc





		(-12 -1 -10 -10
Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_	f32	
-360		
1440.10999		
10		
1118		
1600		
1		
1600		
8.80000019		
1		
511		
Actual Value	Expected Value	Result
1	1	✓
4294967295	4294967295	✓
4294967295	4294967295	~
1600	1600 ± 0.009	✓
1600	1600 ± 0.009	~
1	1	✓
1	1	✓
1	1	✓
1	1	~
4294967295	4294967295	✓
4294967295	4294967295	✓
1600	1600 ± 0.009	✓
1600	1600 ± 0.009	~
0	0	✓
1	1	~
1	1	✓
1	1	✓
4294967295	4294967295	✓
4294967295	4294967295	✓
1600	1600 ± 0.009	✓
1600	1600 ± 0.009	~
1	1	✓
1	1	~
1	1	✓
1	1	~
1	1	✓
1	1	~
1	1	✓
	target_VehDyn_Per1_VehicleSpeed_Kph360 1440.10999 10 1118 1600 1 1600 8.80000019 1 511 Actual Value 1 4294967295 4294967295 1600 1600 1600 0 1 1 1 1 1 1 1 1 1 1 1	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999 10 1118 1600 1 1600 8.80000019 1 511 Actual Value 1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

-159.890015

18.7890587

4294967295

2840

0

-159.889999

4294967295

1 ± 0.004

0 ± 0.1

18.7890587 ± 0.00009

2840

Test Step 2.3 (Repeat Count = 1)		~
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	

VehDyn_MaxOffset_HwDeg_M_f32

VehDyn_MinOffset_HwDeg_M_f32

VehDyn_PinTrqSV_M_str.SV_Uls_f32

VehDyn_SrlHwAgVldTimer_mS_M_u32

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	0 1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	125.09998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.7999995
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000449999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.400001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.099985 7034
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.4999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	369.15799
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.00025099999
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.986999989 -1589.15002
VehDyn SrlHwAgVldTimer mS M u32	1050692864
k HiSpdVDAuthority UIs f32	0.89999976
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0.330000013
k_SrlHwAgVldTiThd_mS_u32	12
k SysKinRatio MtrDegpHwDeg f32	10.0200005
k_TravelXCDeadband_Uls_f32	1.25
k_TravelXCHwAuthority_UIs_f32	0.0153999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target_GetSystemTime_mS_u32_CurrentTime	4243378688
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u30_ElapseDTime_mS_u30_ElapseD$	2659241984
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1438.15002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	375.23999		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.210022		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-172.389999		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1589.15002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-172.389999	-172.389999 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2345892860	2345892860	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-172.389999	-172.389999 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393	2160073393	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn Initialize Cnt M Igc	1	1	
VehDyn LoSpdLearnt Cnt M Igc	1	1	
VehDyn_MaxOffset_HwDeg_M_f32	375.23999	375.23999	
VehDyn_MinOffset_HwDeg_M_f32	-1438.15002	-1438.15002	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79555798	7.7955575 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976	0.899999976 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.4 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3000002	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	43128
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-599.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	0.000452000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000782000017
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.54000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn ForceCenterEnabled Cnt M Igc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn HiSpdLearnt Cnt M Igc	0
	1
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-374.149994
VehDyn_MinOffset_HwDeg_M_f32	-1432.46997
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000251999998
VehDyn_SLPHwAuth_Uls_M_f32	0.972000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1578.89001
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	0.349999994
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_UIs_f32	0.889999986
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	2.69000006
k_TravelXCHwAuthority_Uls_f32	0.0166250002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1431.89001			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	386.147003			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.5			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	800.869995			
target VehDyn Per1 RelHwPos HwDeg f32.value	-599.400024			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1578.89001			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019			
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511			
Name	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	54822322	54822322	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-599.400024	-599.400024 ± 0.0009	✓	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009		
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2553156835	2553156835		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009		
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-599.400024	-599.400024 ± 0.0009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	·	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	1050692864	1050692864	~	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-599.400024	-599.400024 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	0	0	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn HiSpdLearnt Cnt M Igc	0	0	~	
VehDyn Initialize Cnt M Igc	1	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~	
VehDyn MaxOffset HwDeg M f32	-374.149994	-374.149994		
VehDyn_MinOffset_HwDeg_M_f32	-832.48999	-832.48999	V	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20166588	3.20166588 ± 0.000009		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	V	
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.88999986	0.889999986 ± 0.004		
g			· ·	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

0 ± 0.1

Test Step 2.5 (Repeat Count = 1)	√
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.699997

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.699997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.7000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.6999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126.099998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000492900028
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2.9799995e-005 49.4199982
VehDyn AutoCntrLoSpd M str.RelHwPosFitt2SV_HwDeg_str.Sv_Ois_i32	0.00067400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	429.062012
VehDyn_MinOffset_HwDeg_M_f32	-1358.94604
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000262999994
VehDyn_SLPHwAuth_Uls_M_f32	0.806999981
VehDyn_SLPHwPos_HwDeg_M_f32	-1466.03003
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.099999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	75.5
k_TravelXCDeadband_Uls_f32	18.5300007
k_TraveIXCHwAuthority_UIs_f32	0.0300999992
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime target Rte Call Ap VehDyn SystemTime CetSystemTime mS u32 CurrentTime	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752 target VehDun Perf CowEOT HwDea #32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32

VehDyn_Per1



Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hwl	Deg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth	ority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwF	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCR	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1363.03003			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	506.123993			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.80000019			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976			
target VehDyn Per1 RelHwPos HwDeg f32.value	49.4199982			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0			
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1466.03003			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-3.20000005			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target VehDyn Per1 VehicleSpeed Kph f32.value	256.640015			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	109643620	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✓	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✓	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	109643620		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	_	
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	*	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620	109643620		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	-	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009		
	1	49.4199962 ± 0.00009	-	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
· - · ·	0	0		
VehDyn_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc				
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1		
	1	1	-	
VehDyn_Initialize_Cnt_M_lgc				
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	V	
VehDyn_MaxOffset_HwDeg_M_f32	506.123993	506.123993	*	
VehDyn_MinOffset_HwDeg_M_f32	-1363.03003	-1363.03003	*	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89533329	8.89533329 ± 0.000009	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	•	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Pto Call VehDyn Per1 CP1 ChecknointPeached	1	Pto Call VehDyn Per1 CP1 ChecknointPeached	1	

450.640015

450.640015 ± 0.1

Test Step 2.6 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value





Name	Input Value
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	73.4000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.3999962
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000655999989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655999989
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCotrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	566.5
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.80000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.1399994
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	14442
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000126600004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	73.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCottrLoSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrloSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	995.5 2.61999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655999989
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn ForceCenterEnabled Cnt M Igc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-384.134003
VehDyn_MinOffset_HwDeg_M_f32	-1419.10205
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000254000013
VehDyn_SLPHwAuth_Uls_M_f32	0.941999972
VehDyn_SLPHwPos_HwDeg_M_f32	-1558.37
VehDyn_SrlHwAgVldTimer_mS_M_u32	123
k_HiSpdVDAuthority_UIs_f32	0.870000005
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_UIs_f32	0.69999988
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	56.5
k_TravelXCDeadband_Uls_f32	5.57000017
k_TravelXCHwAuthority_Uls_f32	0.0190750007
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	1117112832 1316564736
target_GetsystemTime_ms_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_CurrentTime_ms_u32_CurrentTime_userTime_ms_u32_CurrentTime_userTim	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32
	tangot, to to just on _ come or _ nmbog_loz





Name	Input Value				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H	target_VehDyn_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRI	MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32				
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc				
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd0	CRF_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target VehDyn Per1 VehicleSpee	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc			
target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	d Kph f32			
target VehDyn Per1 CcwEOT HwDeg f32.value	-1419.37				
target VehDyn Per1 CwEOT HwDeg f32.value	407.960999				
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.25				
target VehDyn Per1 RelHwPos HwDeg f32.value	995.5				
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0				
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1558.37				
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-5.4000001				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1				
target VehDyn Per1 VehicleSpeed Kph f32.value	10.2139997				
		Expected Value	Dogult		
Name	Actual Value	· · · · · · · · · · · · · · · · · · ·	Result		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	V		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	~		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784			
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	~		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	~		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✓		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	~		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	~		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	~		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~		
VehDyn_Initialize_Cnt_M_lgc	1	1	•		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓		
VehDyn_MaxOffset_HwDeg_M_f32	407.960999	407.960999	~		
VehDyn MinOffset HwDeg M f32	-1419.37	-1419.37	✓		
VehDyn PinTrqSV M str.SV Uls f32	7.59550524	7.59550524 ± 0.000009	~		
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	✓		
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.69999988	0.699999988 ± 0.004	~		
target VehDvn Per1 SensorlessHwPos HwDeg f32 value	0	0+01			

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

0 ± 0.1

Test Step 2.7 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

 $target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value$

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Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
$Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)$	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.099999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	631.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.2299995
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000167299993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
	10.6999998
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.7000008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.6999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.66000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	389.126007
VehDyn_MinOffset_HwDeg_M_f32	-1412.41797
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000254999992
VehDyn_SLPHwAuth_Uls_M_f32	0.926999986
VehDyn_SLPHwPos_HwDeg_M_f32	-1548.10999
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.56000002
k SrlHwAgVldTiThd mS u32	1385
	54.2999992
	J
	7.01000023
k_SysKinRatio_MtrDegpHwDeg_f32 k_TraveIXCDeadband_Uls_f32 k_TraveIXCHwAuthority_Uls_f32	7.01000023 0.0203000009





Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	3437401088		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1413.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	418.868011		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.75		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1548.10999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.1399994		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	418.868011	418.868011	~
VehDyn_MinOffset_HwDeg_M_f32	-1413.10999	-1413.10999	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50220323	1.50220323 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689	54689	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~



Test Step 2.8 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	-1600 2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	0
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	0
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.51327106e-006
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
	0
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	1





Name	Input Value		
k_TravelXCDeadband_Uls_f32	0		
k_TraveIXCHwAuthority_UIs_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	ī 0		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTim$	0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	500	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f3: -1440.10999	2	
target VehDyn Per1 CwEOT_HwDeg_132.value	360		
target_venDyn_Per1_LwEo1_nwbeg_isz.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	0		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
7 2 111 1 111 1 1 1 1 1 1 1 1 1 1 1 1 1			
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	*
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc			
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0	0 0 0	*
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0 0 0	0 0 0 0	*
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 0 0 0	0 0 0 0 0	\rightarrow \right
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 0 0 0 -1600	0 0 0 0 0 0 -1600 ± 0.009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 0 0 -1600 -1600	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 0 0 -1600 -1600	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 0 0 0 0 -1600 -1600 0	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 0 -1600 -1600 0 0	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 0 0 -1600 -1600 0 0	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 0 -1600 -1600 0 0 0 0 0	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 0 0 0 -1600 -1600 0 0 0 0 0 -1600 -1600	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 0 0 0	· · · · · · · · · · · · · · · · · · ·
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VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 0 0 0 -1600 -1600 0 0 0 0 0 0 -1600 0 0 0 0 0 1600 0 0 0 10 0 0 10 0 10 0 10 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_FiltPapl_Learnt_Cnt_M_lgc VehDyn_SrlHwAgVldTimer_mS_M_u32 VehDyn_SrlHwAgVldTimer_mS_M_u32	0 0 0 0 -1600 -1600 0 0 0 0 0 0 -1600 0 0 0 0 0 0 1600 0 0 0 10 0 0 10 0 10 0 10 0 10 0 10 0 10 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 0 0 0 -1600 -1600 0 0 0 0 0 0 -1600 0 0 0 0 0 1600 0 0 0 10 0 0 10 0 10 0 10 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	· · · · · · · · · · · · · · · · · · ·

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.9 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	34.7999992
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.7999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53946
	3174948758
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00066999979
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999
	731.700012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.0999985
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	1024
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	731.700012
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.9000007e-005
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.N_ois_is2	731.700012
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uis_f32	0.000669999979
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_Igc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	419.078003
/ehDyn_MinOffset_HwDeg_M_f32	-1372.31396
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261000008
	0.837000012
/ehDyn_SLPHwAuth_Uls_M_f32	-1486 55005
/ehDyn_SLPHwAuth_Uls_M_f32 /ehDyn_SLPHwPos_HwDeg_M_f32	-1486.55005 954802432
/ehDyn_SLPHwAuth_Uls_M_f32 /ehDyn_SLPHwPos_HwDeg_M_f32 /ehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
/ehDyn_SLPHwAuth_Uls_M_f32 /ehDyn_SLPHwPos_HwDeg_M_f32 /ehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32	954802432 0.272780001
/ehDyn_SLPHwAuth_Uls_M_f32 /ehDyn_SLPHwPos_HwDeg_M_f32 /ehDyn_SrlHwAgVldTimer_mS_M_u32	954802432





Name			
	Input Value		
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985		
k_TravelXCDeadband_Uls_f32	15.6499996		
k_TravelXCHwAuthority_Uls_f32	0.0276500005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208		
target_GetSystemTime_mS_u32_CurrentTime	437658624		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	4243378688		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	954802432		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.309998		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.199997		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1 -1486.55005		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009		
Name		Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
Vendyn_Autoontractopu_w_str.himerz_mo_usz	1024		
VehDvn AutoCntrDetSnd M etr PelHwPosFilt1SV HwDea etr SV I lle f32	731 700012		J
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str_RelHwPosFilt2SV_HwDeg_str_SV_Uls_f32	731.700012 731.700012	731.700012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009 731.700012 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc		731.700012 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	731.700012 0	731.700012 ± 0.0009 731.700012 ± 0.0009 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	731.700012 0 0	731.700012 ± 0.0009 731.700012 ± 0.0009 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	731.700012 0 0 1	731.700012 ± 0.0009 731.700012 ± 0.0009 0 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	731.700012 0 0 1	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	731.700012 0 0 1 1 437658624	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 437658624	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	731.700012 0 0 1 1 437658624 1024	731.700012 ± 0.0009 731.700012 ± 0.0009 0 0 1 1 437658624 1024	· · · · · · · · · · · · · · · · · · ·
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VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_Filtar_Cnt_M_lgc VehDyn_Filtar_Cnt_M_lgc VehDyn_PinTrqSV_M_str.SV_Uls_f32	731.700012 0 0 1 1 1 437658624 1024 731.700012 731.700012 0 1 1 0 0 3174948758 1024 731.700012 731.700012 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1-247.390015 -1372.31396 15.1974678	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 0 3174948758 1024 731.700012 ± 0.0009 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	75.0999985
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000289399992
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.5
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.8000031
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.5
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.78000007e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	404.10199
/ehDyn_MinOffset_HwDeg_M_f32	-1392.36597
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999985
/ehDyn_SLPHwAuth_Uls_M_f32	0.882000029
/ehDyn_SLPHwPos_HwDeg_M_f32	-1517.32996
/ehDyn_SrlHwAgVldTimer_mS_M_u32	12
_HiSpdVDAuthority_Uls_f32	0.637000024
_HwTqMgnThd_HwNm_f32	0.00120000006
	0





Name	Input Value		
k_SrlHwAgVldTiThd_mS_u32	701		
k_SysKinRatio_MtrDegpHwDeg_f32	32.5		
k_TravelXCDeadband_Uls_f32	11.3299999		
k TravelXCHwAuthority Uls f32	0.0239749998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816		
target GetSystemTime mS u32 CurrentTime	824746752		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f3		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1394.32996	0 2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	451.588989		
	-7.30000019		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	159.455994		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988		
	0		
target_VehDyn_Per1_SrlHwAg.HwDgg_f32.value	-1517.32996		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	4.5999999		
	1		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	35.8899994		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		I=	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-293.049988	-293.049988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	· ·
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0	0 0 0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 0 1	0 0 0 1	
	0 0 0	0 0 0	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 0 0 1 824746752 3796740682	0 0 0 1 824746752 3796740682	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 0 1 824746752 3796740682 -293.049988	0 0 1 824746752 3796740682 -293.049988 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 1 824746752 3796740682	0 0 0 1 824746752 3796740682	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988	0 0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988	0 0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0	0 0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1	0 0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1 1	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1	0 0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1 1	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1	0 0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1 1 0 0	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1	0 0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1 1	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1	0 0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1 1 0 0	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1 1	0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1 1 0 0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1 1 1 0 0 0 451.588989	0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1 1 0 0 451.588989	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1 1 1 0 0 0 1 1 0 0 451.588989 -1394.32996	0 0 1 824746752 3796740682 -293.049988 ± 0.0009 0 1 1 0 0 451.588989 -1394.32996	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 0 1 824746752 3796740682 -293.049988 -293.049988 0 1 1 0 0 1 1 0 451.588989 -1394.32996 17.79356	0 0 1 824746752 3796740682 -293.049988 ± 0.0009 -293.049988 ± 0.0009 0 1 1 0 0 451.588989 -1394.32996 17.79356 ± 0.00009	•



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Fest Step 2.11 (Repeat Count = 1)	Innut Value
lame	Input Value
htmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime
SetSystemTime_mS_u32(CurrentTime)	
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	98.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000666000007
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000666000007
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2999992
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
'ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
'ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000330100011
	-627.179993
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000796000008
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.79999995
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.82000001e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000666000007
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
'ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	409.093994		
VehDyn_MinOffset_HwDeg_M_f32	-1385.68201		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000258999993		
VehDyn_SLPHwAuth_Uls_M_f32	0.866999984		
VehDyn_SLPHwPos_HwDeg_M_f32	-1507.06995		
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763		
k_HiSpdVDAuthority_UIs_f32	0.278719991 1.10000002		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	1.10000002		
k SrlHwAgVldTiThd mS u32	702		
k SysKinRatio MtrDegpHwDeg f32	52.2999992		
k TravelXCDeadband Uls f32	12.7700005		
k TravelXCHwAuthority Uls f32	0.0252		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Ela	apsedTi 1662097408		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_Curren	ntTime 89763		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT	_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorqu		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVel		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPo		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_Sensorles	, <u> </u>	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorle		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAg\		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCi		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleS		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleS	peed_kpii_i32	
target VehDyn Per1 CwEOT HwDeg f32.value	462.496002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.0999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.45801		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1507.06995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.4199982		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1		
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	' '	1	~
	2760420809	1 2760420809	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809 4004004656	4004004656	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2760420809 4004004656 -627.179993	4004004656 -627.179993 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2760420809 4004004656 -627.179993 -627.179993	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	2760420809 4004004656 -627.179993 -627.179993	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	2760420809 4004004656 -627.179993 -627.179993 0	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	2760420809 4004004656 -627.179993 -627.179993 0	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	2760420809 4004004656 -627.179993 -627.179993 0 0	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0 1	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809 4004004656 -627.179993 -627.179993 0 1 1 1 309385728	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0 1 1 1 309385728	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809 4004004656 -627.179993 -627.179993 0 1 1 309385728 4004004656	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0 1 1 1 309385728 4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32	2760420809 4004004656 -627.179993 -627.179993 0 1 1 309385728 4004004656 -627.179993	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0 0 1 1 1 309385728 4004004656 -627.179993 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2760420809 4004004656 -627.179993 -627.179993 0 1 1 309385728 4004004656 -627.179993 -627.179993	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0 1 1 1 309385728 4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc	2760420809 4004004656 -627.179993 -627.179993 0 1 1 309385728 4004004656 -627.179993 0	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0 0 1 1 1 309385728 4004004656 -627.179993 ± 0.0009 0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc	2760420809 4004004656 -627.179993 -627.179993 0 1 1 309385728 4004004656 -627.179993 -627.179993	4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009 0 1 1 1 309385728 4004004656 -627.179993 ± 0.0009 -627.179993 ± 0.0009	
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VehDyn_Per1

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763	89763	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	173.679993	173.679993 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Input Value target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 66.9000015 86.9000015 4.9000015 29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 11 1 0 0 98.0999985 96.0999985 6.5 41.0999985 32821
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 66.9000015 86.9000015 4.9000015 2.9000015 2.9000015 2.9000015 2.9076 4.3868 2.967684784 4.211268631 -1.77.479996 0.000668000022 -1.77.479996 0.000668000022 1 1 0 0 98.099985 96.099985 6.5 41.0999985
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 66.9000015 86.9000015 4.9000001 52.9000015 29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 66.9000015 86.9000015 4.900001 52.9000015 29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.099985 6.5 41.0999985
target_Rte_inst_Ap_VehDyn 1 66.9000015 86.9000015 4.9000001 52.9000015 29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.099985 6.5 41.0999985
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66.900015 86.900015 4.900001 52.9000015 29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.099985 96.099985 6.5 41.0999985
86.9000015 4.900001 52.9000015 29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.099985 96.099985 6.5 41.0999985
4.9000001 52.9000015 29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.099985 96.099985 6.5 41.0999985
52.9000015 29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
29076 43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
43868 2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
2967684784 4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
4211268631 -177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
-177.479996 0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
0.000668000022 -177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
-177.479996 0.000668000022 1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
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1 1 0 0 98.0999985 96.0999985 6.5 41.0999985
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98.0999985 96.0999985 6.5 41.0999985
96.0999985 6.5 41.0999985
6.5 41.0999985
41.0999985
22024
32021
53946
2967684784
4211268631
-177.479996
0.0003708
-177.479996
0.000798000023
0
0
0
1
66.0999985
86.1999969
4.0999999
52.2000008
29076
43868
2967684784
4211268631
-177.479996
2.85999995e-005
-177.479996
0.000668000022
0
1
1
0
1

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	414.085999		
VehDyn_MinOffset_HwDeg_M_f32	-1378.99805		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000260000001		
VehDyn_SLPHwAuth_Uls_M_f32	0.851999998		
VehDyn_SLPHwPos_HwDeg_M_f32	-1496.81006		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192		
k_HiSpdVDAuthority_UIs_f32	0.277799994 2.0999999		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_f32	0		
k SrlHwAgVIdTiThd mS u32	703		
k_SysKinRatio_MtrDegpHwDeg_f32	41.5		
k TravelXCDeadband Uls f32	14.21		
k_TravelXCHwAuthority_Uls_f32	0.0264250003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408		
target_GetSystemTime_mS_u32_CurrentTime	4164171008		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	2127166208		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime$	2075080192		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3.	_ ·	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1381.81006		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	473.403015		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.85000038		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-177.479996		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1496.81006		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.8800011		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	V
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0	0	*
	414.085999	414.085999	_

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Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-1204.33008	-1204.32996	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30071831	6.30071831 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	523.470032	523.469971 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.7999992
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	63.4000015
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3174948758
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
hDyn_AutoCntrloSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.099985 6.1999981
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.099985
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.90000007e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	0

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	419.078003		
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261000008		
VehDyn SLPHwAuth Uls M f32	0.837000012		
VehDyn_SLPHwPos_HwDeg_M_f32	-1486.55005		
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432		
k_HiSpdVDAuthority_Uls_f32	0.272780001		
k_HwTqMgnThd_HwNm_f32	3.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	9000		
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985		
k_TravelXCDeadband_Uls_f32	15.6499996		
k_TravelXCHwAuthority_Uls_f32	0.0276500005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208		
target_GetSystemTime_mS_u32_CurrentTime	437658624		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elapsed$			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SensorlessHwPos_H target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005	-	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.309998		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	154.199997		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1486.55005		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32		437658624	•
	437658624		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 731.700012	731.700012 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1024 731.700012 731.700012	731.700012 ± 0.0009 731.700012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	1024 731.700012 731.700012 0	731.700012 ± 0.0009 731.700012 ± 0.0009 0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1024 731.700012 731.700012 0 1	731.700012 ± 0.0009 731.700012 ± 0.0009 0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1024 731.700012 731.700012 0 1	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1024 731.700012 731.700012 0 1 1	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024 731.700012 731.700012 0 1 1 0 3174948758	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024 731.700012 731.700012 0 1 1 0 3174948758	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 731.700012 731.700012 0 1 1 0 3174948758	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012 731.700012	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012 731.700012	731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009	





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-247.390015	-247.389999	~
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396	-1372.31396	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1936579	15.1936579 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1332.73999	1332.73999 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
kte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	2.0999999
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32	14.1000004
/ehDyn_AutoChtrDetSpd_M_str.ChtrWindow HwDeg f32	63.099985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
· - ·	13059
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3382212733
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000671999995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000671999995
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.099985
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.099998
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452200009
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000801999995
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.199997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2000008
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.94000001e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000671999995

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	424.070007		
VehDyn_MinOffset_HwDeg_M_f32	-1365.63		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261999987		
VehDyn_SLPHwAuth_Uls_M_f32	0.822000027		
VehDyn_SLPHwPos_HwDeg_M_f32	-1476.29004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080		
k_HiSpdVDAuthority_UIs_f32	0.89999976		
k_HwTqMgnThd_HwNm_f32	4.0999999		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	1000		
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031		
k_TravelXCDeadband_Uls_f32	17.0900002		
k_TraveIXCHwAuthority_Uls_f32	0.0288750008		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688		
target_GetSystemTime_mS_u32_CurrentTime	3941357312		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3:		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_I		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1369.29004		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	495.21701		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.299988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-968.400024		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1476.29004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.4000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.140015	I=	-
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	,
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	,
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDvn_AutoCntrl oSnd_M_str_Timer1_mS_u32	3941357312	3941357312	

3941357312

-968.400024

-968.400024

0

54822322

3941357312

0

-968.400024 ± 0.0009

-968.400024 ± 0.0009

VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc

VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	495.21701	495.21701	✓
VehDyn_MinOffset_HwDeg_M_f32	-1369.29004	-1369.29004	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9977865	13.9977865 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.822000027	0.822000027 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

lame	Input Value
htrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.699997
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.699997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.7000008
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.6999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00067400001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00067400001
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126.099998
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.5
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
'ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3589476707
ehDyn AutoCntrHiSpd M str.Timer2 mS u32	109643620
'ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	49.4199982
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000492900028
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	49.4199982
'ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00080400001
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	120.300003
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	116.5
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrLoSpd_M_str.TimerThresh_mS_u16	58929
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	3589476707
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.97999995e-005		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	49.4199982		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00067400001		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn ForceCenterOffset HwDeg M f32	-401.220001		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc			
VehDyn_MaxOffset_HwDeg_M_f32	429.062012		
VehDyn_MinOffset_HwDeg_M_f32	-1358.94604		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000262999994		
VehDyn_SLPHwAuth_Uls_M_f32	0.806999981		
VehDyn_SLPHwPos_HwDeg_M_f32	-1466.03003		
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	5.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	20045		
k_SysKinRatio_MtrDegpHwDeg_f32	75.5		
k_TravelXCDeadband_Uls_f32	18.5300007		
k_TravelXCHwAuthority_Uls_f32	0.0300999992		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
target_GetSystemTime_mS_u32_CurrentTime	3304439296		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	3039943680		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_132	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1363.03003		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	506.123993		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	49.4199982		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1466.03003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target VehDyn Per1 VehicleSpeed Kph f32.value	45.8699989		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Iqc	1	1	Result
VehDyn_AiloWniSpdAdioCnti_Cnt_W_gc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		3589476707	-
	3589476707		Y Y
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	109643620	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	109643620	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	·
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620	109643620	
. 5.15 j/ Nation/18 200pd_ini_08.1 Hillor2_inio_u02	.55570020	.55546626	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	506.123993	506.123993	~
VehDyn_MinOffset_HwDeg_M_f32	-1363.03003	-1363.03003	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89533329	8.89533329 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	450.640015	450.640015 ± 0.1	✓

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	56.099985
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	64.099985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	45.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
/enDyn_AutoCntrDetSpd_M_str.Timer2Thresn_ms_u.to /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_us2 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1415.88
/ehDyn_AutoCntrDetSpd_wi_str.ReinwFosFilt15V_nwDeg_str.Sv_ois_i32 /ehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt15V_HwDeg_str.K_Uls_f32	0.000730000029
/ehDyn_AutoChtrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.N_Ois_i32	-1415.88
· - · ·	0.000730000029
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	•
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.1999981
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000530000019
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.7000008
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.0999985
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868

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Name Input Value VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2553156835 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2553156835 VehDyn_AutoCntrLoSpd_M_str.RelI+wPosFilt1SV_HwDeg_str.SV_UIs_f32 -1415.88 VehDyn_AutoCntrLoSpd_M_str.RelI+wPosFilt2SV_HwDeg_str.K_UIs_f32 -1415.88 VehDyn_AutoCntrLoSpd_M_str.RelI+wPosFilt2SV_HwDeg_str.K_UIs_f32 -0000730000029 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 0 VehDyn_ForceCenterEnabled_Cnt_M_Igc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -800.859985 VehDyn_HispdLearnt_Cnt_M_Igc 0 VehDyn_Initialize_Cnt_M_Igc 0 VehDyn_Initialize_Cnt_M_Igc 0 VehDyn_Initialize_Cnt_M_Igc 0 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_Sirrey_M_str.K_Uis_f32 0.00036199992 VehDyn_SirlHwAgu	Deg_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilit1SV_HwDeg_str.SV_Uls_f32 2553156835 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilit1SV_HwDeg_str.SV_Uls_f32 -1415.88 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilit2SV_HwDeg_str.SV_Uls_f32 4.0999993e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilit2SV_HwDeg_str.SV_Uls_f32 0.000730000029 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -800.859985 VehDyn_HispdLeamt_Cnt_M_lgc 0 VehDyn_LoSpdLeamt_Cnt_M_lgc 0 VehDyn_LoSpdLeamt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 568.838013 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.38699995 VehDyn_SLPHwPos_HwDeg_M_f32 -14.8000002 VehDyn_SI-HwAgVIdTime_m_s_M_u32	Deg_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 -1415.88 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 4.09999993e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 -1415.88 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 0.000730000029 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_Igc 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_Igc 0 VehDyn_ForceCenterCnabled_Cnt_M_Igc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -800.859985 VehDyn_IniSpdLeamt_Cnt_M_Igc 0 VehDyn_IniSpdLeamt_Cnt_M_Igc 0 VehDyn_IniOffset_HwDeg_M_f32 568.838013 VehDyn_IniTiqSv_M_str.Sv_Uls_f32 -1171.79395 VehDyn_PinTrqSv_M_str.K_Uls_f32 -148.8000002 VehDyn_PinTrqSv_M_str.K_Uls_f32 0.00038199992 VehDyn_StPHwAufu_Uls_M_f32 -1178.75 VehDyn_StHwAgVIdTimer_mS_M_u32 123 K_HispdVDAuthority_Uls_f32 0 K_DyskinRatio_MtrDegpHwDeg_f32 88.999985 <td>Deg_f32</td> <td></td>	Deg_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 4.09999993e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1415.88 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000730000029 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterCffset_HwDeg_M_f32 -800.859985 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLeamt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 568.838013 VehDyn_InitrGv_M_str.KV_Uls_f32 -1177.79395 VehDyn_PinTrqSV_M_str.KV_Uls_f32 -1177.79395 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00036199992 VehDyn_SI-PHwAuth_Uls_M_f32 0.386999995 VehDyn_SI-PHwPos_HwDeg_M_f32 -1178.75 VehDyn_SI-PHwPos_HwDeg_M_f32 1178.75 VehDyn_SI-PHWPos_HwDeg_f32 1 K_INSpdVDAuthority_Uls_f32 <	Deg_f32	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFitit2SV_HwDeg_str.SV_Uls_f32 -1415.88 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFitit2SV_HwDeg_str.K_Uls_f32 0.000730000029 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -800.859985 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MxOffset_HwDeg_M_f32 -11717.79395 VehDyn_MinOffset_HwDeg_M_f32 -11717.79395 VehDyn_SLPHwAuth_Uls_M_f32 -14.8000002 VehDyn_SLPHwAuth_Uls_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SlHwPos_HwDeg_M_f32 -1778.75 VehDyn_SlHwAgyldTimer_mS_M_u32 123 k_HiSpdVDAuthority_Uls_f32 0.999000013 k_HwTagMgnThd_HwMm_f32 1 k_TravelXCDeadband_Uls_f32 88.0999985	Deg_f32	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFitl2SV_HwDeg_str.K_Uls_f32 0.000730000029 VehDyn_AutoCntrLoSpd_M_str.Fitler1Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitler2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -800.859985 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 568.838013 VehDyn_MinOffset_HwDeg_M_f32 -1171.73935 VehDyn_PinTrqSV_M_str.K_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000361999992 VehDyn_SLPHwAuth_Uls_M_f32 -1178.75 VehDyn_SLPHwDeg_HwDeg_M_f32 -1178.75 VehDyn_StHWAgyIdTimer_mS_M_u32 123 k_HiSpdVDAuthority_Uls_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_TravelXCDeadband_Uls_f32 88.0999985 k_TravelXCDeadband_Uls_f32 </td <td>Deg_f32</td> <td></td>	Deg_f32	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -800.859985 VehDyn_ForceCenterOffset_HwDeg_M_f32 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_SindClose_M_f32 -14.800002 VehDyn_SIPMWauth_Us_M_f32 0.386999995 VehDyn_SIPMWauth_Orly_Ms_f32 1178.75 VehDyn_SIPMWauth_Orly_Ms_f32 0.999	Deg_f32	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 568.838013 VehDyn_MinOffset_HwDeg_M_f32 -1177.73935 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 0.000361999992 VehDyn_SLPHwAuth_Uls_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SIHWAgVIdTimer_mS_M_u32 123 k_HiSpdVDAuthority_Uls_f32 0.999000013 k_HiSpdVDAuthority_Uls_f32 0 k_LoSpdVDAuthority_Uls_f32 1 k_SriHwAgVIdTiThd_mS_u32 1 k_SyskinRatio_MtrDepgHwDeg_f32 88.099985 k_TravelXCDeadband_Uls_f32 88.099985 k_TravelXCHwAuthority_Uls_f32 0.0644000024 target_GetSystemTime_	Deg_f32	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_FliSpdLeamt_Cnt_M_lgc 0 VehDyn_HiSpdLeamt_Cnt_M_lgc 0 VehDyn_LoSpdLeamt_Cnt_M_lgc 0 VehDyn_LoSpdLeamt_Cnt_M_lgc 0 VehDyn_LoSpdLeamt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 568.838013 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_MinOffset_HwDeg_M_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Ulls_f32 0.000361999992 VehDyn_SLPHwAgth_Ulls_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_StrHwAgVIdTimer_mS_M_u32 123 k_HiSpdVDAuthority_Ulls_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Ulls_f32 0 k_SyskinRatio_MtrDegpHwDeg_f32 88.099985 k_TravelXCDeadband_ulls_f32 88.099985 k_TravelXCHwAuthority_Ulls_f32 88.49985 k_TravelXCHwAuthority_Ulls_f32 88.849985 k_TravelXCHwAuthori	Deg_f32	
VehDyn_ForceCenterEnabled_Cnt_M_Igc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -800.859985 VehDyn_HiSpdLearnt_Cnt_M_Igc 0 VehDyn_LoSpdLearnt_Cnt_M_Igc 0 VehDyn_MaxOffset_HwDeg_M_f32 568.838013 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000361999992 VehDyn_SLPHwAuth_UIs_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SIPHwAgVIdTimer_mS_M_u32 123 k_HiSpdVDAuthority_UIs_f32 0.999000013 k_HYTQMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_UIs_f32 0 k_SysKinRatio_MtrDegpHwDeg_f32 88.099985 k_TravelXCDeadband_UIs_f32 88.099985 k_TravelXCHwAuthority_UIs_f32 0.0644000024 k_TravelXCHwAuthority_UIs_f32 0.0644000024 k_TravelXCHwAuthority_UIs_f32 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_	Deg_f32	
VehDyn_ForceCenterOffset_HwDeg_M_f32 -800.859985 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 568.838013 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000361999992 VehDyn_SLPHwAuth_Uls_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SirlHwAgVidTimer_mS_M_u32 123 k_HiSpdVDAuthority_Uls_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SyskinRatio_MtrDegpHwDeg_f32 88.099985 k_TravelXCDeadband_Uls_f32 88.099985 k_TravelXCDeadband_Uls_f32 58.8499985 k_TravelXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 123 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target	Deg_f32	
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VehDyn_MaxOffset_HwDeg_M_f32 568.838013 VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000361999992 VehDyn_SLPHwAuth_Uls_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SrlHwAgVldTimer_mS_M_u32 123 k_HiSpdVDAuthority_Uls_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SysKinRatio_MtrDegpHwDeg_f32 88.0999985 k_TravelXCDeadband_Uls_f32 58.8499985 k_TravelXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_NehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
VehDyn_MinOffset_HwDeg_M_f32 -1171.79395 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000361999992 VehDyn_SLPHwAuth_Uls_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SrlHwAgVldTimer_mS_M_u32 123 k_HiSpdVDAuthority_Uls_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVldTiThd_mS_u32 70 k_SysKinRatio_MtrDegpHwDeg_f32 88.0999985 k_TravelXCDeadband_Uls_f32 88.0999985 k_TravelXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_NehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000361999992 VehDyn_SLPHwAuth_UIs_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SrlHwAgVldTimer_mS_M_u32 123 k_HiSpdVDAuthority_UIs_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_UIs_f32 0 k_SrlHwAgVldTiThd_mS_u32 70 k_SysKinRatio_MtrDegpHwDeg_f32 88.0999985 k_TravelXCDeadband_UIs_f32 58.8499985 k_TravelXCHwAuthority_UIs_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime 123 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000361999992 VehDyn_SLPHwAuth_Uls_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SrlHwAgVldTimer_mS_M_u32 123 k_HiSpdVDAuthority_Uls_f32 0.99900013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVldTiThd_mS_u32 70 k_SysKinRatio_MtrDegpHwDeg_f32 88.099985 k_TravelXCDeadband_Uls_f32 88.499985 k_TravelXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime 123 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_MwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_Hw	Deg_f32	
VehDyn_SLPHwAuth_Uls_M_f32 0.386999995 VehDyn_SLPHwPos_HwDeg_M_f32 -1178.75 VehDyn_SrlHwAgVldTimer_mS_M_u32 123 k_HiSpdVDAuthority_Uls_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVldTiThd_mS_u32 70 k_SysKinRatio_MtrDegpHwDeg_f32 88.099985 k_TraveIXCDeadband_Uls_f32 58.8499985 k_TraveIXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime 123 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_NehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_LoSpdVDAuthority_Uls_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CmEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
k_HiSpdVDAuthority_Uls_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVIdTiThd_mS_u32 70 k_SysKinRatio_MtrDegpHwDeg_f32 88.0999985 k_TraveIXCDeadband_Uls_f32 58.8499985 k_TraveIXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime 123 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwTo	Deg_f32	
k_HwTqMgnThd_HwNm_f32	Deg_f32	
k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 70 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 0 88.0999985 88.499985 0.0644000024 2478427648 3941357312 3093857312 123 123 123 124 125 125 126 127 128 129 129 129 129 129 129 129 129 129 129	Deg_f32	
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 70 88.0999985 \$8.8499985 \$0.0644000024 2478427648 3941357312 309385728 123 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_Hw	Deg_f32	
k_TravelXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi 309385728 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_	Deg_f32	
target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi 309385728 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_HwDeg_f42 target_VehDyn_Per1_CwEOT_Hw	Deg_f32	
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	Deg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_WhTorque_HwNm_f32 target_W	Deg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 target VehDyn Per1 MotorVelCRF	wNm_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_H		
	target_VehDyn_Per1_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHw target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_VehDyn_Per1_SrlHwAgVld_VehDyn_Per1_SrlHwAgVld_VehDyn_Per1_SrlHwAgVld_VehDyn_Per1_SrlHwAgVld_VehDyn_Per1_SrlHwAgVld_VehDyn_VehDyn_Per1_SrlHwAgVld_VehDyn_VehDy	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdC		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	d_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1187.75		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 811.52002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.03000021		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.9000015		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -1415.88		
target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -1178.75		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value -7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 230.820007		
Name Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835	2553156835	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1415.88	-1415.88 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1415.88	-1415.88 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1	1	Y
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1	1	Ž
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312	0 3941357312	Ž
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2553156835	2553156835	- J
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1415.88	-1415.88 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1415.88	-1415.88 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0	0	·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1	1	✓





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	811.52002	811.52002	~
VehDyn_MinOffset_HwDeg_M_f32	-1187.75	-1187.75	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7921276	-14.7921276 ± 0.00009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.386999995	0.386999995 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.17 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.230003
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	62.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000531999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.5999985

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- VenByn_r err			1-2-1-16-16
Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	6		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.13999987e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	573.830017		
VehDyn_MinOffset_HwDeg_M_f32	-1165.10999		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000362999999 0.372000009		
VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	-1168.48999 5477		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	1.5		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985		
k TravelXCDeadband Uls f32	60.2900009		
k_TraveIXCHwAuthority_UIs_f32	0.065624997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544		
target_GetSystemTime_mS_u32_CurrentTime	3304439296		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	Ti 824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	fpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_I	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1181.48999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	822.427002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03999996		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.01001		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1081.09998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1168.48999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.080002	1	
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1081.09998	-1081.09998 ± 0.009	•

-1081.09998

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

-1081.09998 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1081.09998	-1081.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	573.830017	573.830017	~
VehDyn_MinOffset_HwDeg_M_f32	-100.390015	-100.389999	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7960987	17.7961006 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477	5477	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-380.149963	-380.149994 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.18 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	63.4000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	124.400002
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000725999998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000725999998
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350.600006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	147
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000525999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	63.0999985		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.199997		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366		
VehDyn_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16	51002 2138628886		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.02000005e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000725999998		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1 -1000.67999		
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M lqc	1		
VehDyn LoSpdLearnt Cnt M Iqc	0		
VehDyn_MaxOffset_HwDeg_M_f32	558.854004		
VehDyn_MinOffset_HwDeg_M_f32	-1185.16199		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000360000005		
VehDyn_SLPHwAuth_Uls_M_f32	0.416999996		
VehDyn_SLPHwPos_HwDeg_M_f32	-1199.27002		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	5.4499981		
k_LoSpdVDAuthority_UIs_f32	0.89999976		
k_SrlHwAgVIdTiThd_mS_u32	4856 41.2999992		
k_SysKinRatio_MtrDegpHwDeg_f32 k_TraveIXCDeadband_Uls_f32	41.2999992 55.9700012		
k_TraveIXCHwAuthority_UIs_f32	0.0619499981		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760		
target_GetSystemTime_mS_u32_CurrentTime	4164171008		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim	e 2728878080		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_l target_VehDyn_Per1_SrlHwAg_HwDeg		
target Rte Inst Ap VehDyn.VehDyn Perl TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF M		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target VehDyn Per1 VehicleSpeedValid		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1200.27002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	789.705994		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.01000023		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1199.27002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.089996	= ,	1
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002 1123.40002	1123.40002 ± 0.009 1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1123.40002	1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2138628886	2138628886	

2138628886

2138628886

 $VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-333.694031	-333.694	•
VehDyn_MinOffset_HwDeg_M_f32	-1185.16199	-1185.16199	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5019697	1.5019697 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	-
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.19 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	700		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1 1600		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn LoSpdLearnt Cnt M Igc	1		
VehDyn MaxOffset HwDeg M f32	1440.10999		
VehDyn_MinOffset_HwDeg_M_f32	2840		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786		
VehDyn_SLPHwAuth_Uls_M_f32	1		
VehDyn SLPHwPos HwDeg M f32	1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295		
k HiSpdVDAuthority Uls f32	1		
k_HwTqMgnThd_HwNm_f32	10		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	100000		
k_SysKinRatio_MtrDegpHwDeg_f32	100		
k_TravelXCDeadband_Uls_f32	100		
k_TravelXCHwAuthority_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_L	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vueg_isz	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target VehDyn Per1 VehicleSpeedValid Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360	<u> </u>	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999		
target VehDyn Per1 HwTorque HwNm f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	-
VehDvn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓

1

1

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-159.890015	-159.889999	✓
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	18.7890587	18.7890587 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295	4294967295	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.20 (Repeat Count = 1)	
lame	Input Value
rtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3000002
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000684000028
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000684000028
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38708
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000696400006

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000814000028		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.700012		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.600006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7000008		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6000004		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.17999984e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000684000028		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	454.022003		
VehDyn_MinOffset_HwDeg_M_f32	-1325.526		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000268000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.731999993		
VehDyn_SLPHwPos_HwDeg_M_f32	-1414.72998		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	0.119999997		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	53.099985		
k_TraveIXCDeadband_Uls_f32 k_TraveIXCHwAuthority_Uls_f32	25.7299995		
	0.0362249985		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080 2430672128		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_Bthinic_ins_us2_LiapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_us2_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority L		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1331.72998		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	560.658997		
target VehDyn Per1 HwTorque HwNm f32.value	6.25		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	0		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1576.71997		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1414.72998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target VehDyn Per1 VehicleSpeed Kph f32.value	258.880005		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	V
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	383750110	383750110	_
, , , , , , , , , , , , , , , , ,			-

1576.71997

1576.71997

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

1576.71997 ± 0.009

 1576.71997 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2430672128	2430672128	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2430672128	2430672128	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1016.06097	-1016.06097	✓
VehDyn_MinOffset_HwDeg_M_f32	-1325.526	-1325.526	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59967661	7.59967661 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1478.39001	1478.39001 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.24 (Beneat Count = 4)	
Test Step 2.21 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	350.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.5
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.5
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	69
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12258

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000546000025		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.800003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	8.89999962 56.7999992		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532		
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	27401		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.41999982e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004		
VehDyn HiSpdLearnt Cnt M Igc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	608.773987		
VehDyn_MinOffset_HwDeg_M_f32	-1118.32202		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000369999994		
VehDyn_SLPHwAuth_Uls_M_f32	0.26699999		
VehDyn_SLPHwPos_HwDeg_M_f32	-1096.67004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984		
k_HiSpdVDAuthority_UIs_f32 k_HwTqMgnThd_HwNm_f32	1.10000002		
k LoSpdVDAuthority Uls f32	0		
k_SrlHwAgVldTiThd_mS_u32	12		
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985		
k_TravelXCDeadband_Uls_f32	70.3700027		
k_TravelXCHwAuthority_Uls_f32	0.0741999969		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824		
target_GetSystemTime_mS_u32_CurrentTime	3351443200		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadp		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1137.67004		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	898.776001		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.40999985 1100.43994		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1096.67004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6699982		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3351443200	3351443200	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3351443200	3351443200	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	898.776001	898.776001	✓
VehDyn_MinOffset_HwDeg_M_f32	-1137.67004	-1137.67004	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79365158	7.7936511 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984	800969984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1148.48999	1148.48999 ± 0.1	✓

Test Step Call Trace	Test Step Call Trace			
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.22 (Repeat Count = 1)	<u>, </u>
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295 2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777799985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	539.700012 186.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.699998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.599985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	3.26000008e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	355.5 0.000688
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_Igc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	464.006012
VehDyn_MinOffset_HwDeg_M_f32	-1312.15796
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00026999999
VehDyn_SLPHwAuth_Uls_M_f32	0.702000022
VehDyn_SLPHwPos_HwDeg_M_f32	-1394.20996
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	6.32000017 0.800000012
k SrlHwAgVldTiThd mS u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k TravelXCDeadband Uls f32	28.6100006
k_TravelXCHwAuthority_Uls_f32	0.038674999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	2269150976
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_venDyn_VenDyn_Per1_CwEO1_HwDeg_f32 target_Rte_Inst_Ap_venDyn_VenDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_venbyn_ren_mvrorque_nwinin_isz target_venbyn_Per1_MotorvelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-1319.20996 582.473022
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.11999989
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-900.450012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	355.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1394.20996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002





Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.550003		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	582.473022	582.473022	•
VehDyn_MinOffset_HwDeg_M_f32	-1319.20996	-1319.20996	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60149491	-1.60149491 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	57.3500061	57.3499985 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	-

Test Step 2.23 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000690000015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000690000015
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0

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N	Inner A Malana
Name Vab Dun AutoCote Dat Said Marke Filhard Initialized Cotaling	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	539.299988
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000818500004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000820000016
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.119995
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1199999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.3000003e-005 267.709991
VehDyn_AutoCotrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0.000690000015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	468.997986
VehDyn_MinOffset_HwDeg_M_f32	-1305.474
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000270999997
VehDyn_SLPHwAuth_Uls_M_f32	0.686999977
VehDyn_SLPHwPos_HwDeg_M_f32	-1383.94995
VehDyn_SrlHwAgVldTimer_mS_M_u32	3494315776
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0.69999988
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985
k_TravelXCDeadband_Uls_f32	30.0499992
k_TravelXCHwAuthority_Uls_f32	0.0399000011
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	3533260288
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_OctOut.com.Time_end_0cide_call_Ap_VehDyn_SystemTime_ocide_call_A	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_venDyn_Per1_Mv1orque_HwNm_f32 target_vehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_inst_Ap_venDyn.VenDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1312.94995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	593.380005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.02999973
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.450012





Name	Input Value		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1383.94995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.550003		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3533260288	3533260288	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	593.380005	593.380005	~
VehDyn_MinOffset_HwDeg_M_f32	-1312.94995	-1312.94995	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7981377	-14.7981377 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	3494315776	3494315776	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.24 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	621.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000691999972
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000691999972

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Manage	Innuit Value
Name VohDva AutoCotrDotSnd M etr EilterdEnable Cot Ige	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	580
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859200023
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000821999973
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCotrl liSed_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	621.5
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	206.210007
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.1199989
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.33999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000691999972
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1 497.970001
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	473.98999
VehDyn MinOffset HwDeg M f32	-1298.79004
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000272000005
VehDyn_SLPHwAuth_Uls_M_f32	0.671999991
VehDyn_SLPHwPos_HwDeg_M_f32	-1373.68994
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_UIs_f32	0.40000006
k_SrlHwAgVIdTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	78.099985 31.489998
	0.0411249995
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target GetSystemTime mS u32 CurrentTime	812314880
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1306.68994 604.286987
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	007.200001





Name	Input Value		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.93999958		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	800.849976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1373.68994		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.140015		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	812314880	812314880	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	812314880	812314880	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-995.713013	-995.713013	~
VehDyn_MinOffset_HwDeg_M_f32	-1298.79004	-1298.79004	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7926998	17.7927017 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816	463842816	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1102.03003	1102.03003 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.25 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.51327106e-006
, = - = = = = = = = = = = = = = = = = =	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn AutoCntrHiSpd M str.FiltPinTrq HwNm f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
	-1600
VehDyn_ForceCenterOffset_HwDeg_M_f32	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn SLPHwPos HwDeg M f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVIdTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TraveIXCHwAuthority_UIs_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u322_ElapseTime_mS_u322_ElapseTime_$	ī 0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	0		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✓

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

-1440.10999

-18.7999744

0

-1600

0

-1440.10999

-1600 ± 0.1

0 0 ± 0.004

-18.7999744 ± 0.00009

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778

VehDyn_MinOffset_HwDeg_M_f32

VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32

 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000696000003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696000003
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000940600003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	3.41999985e-005 -177.479996
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	0.000696000003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn ForceCenterEnabled Cnt M Igc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	483.973999
VehDyn MinOffset HwDeg M f32	-1285.422
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000273999991
VehDyn_SLPHwAuth_Uls_M_f32	0.64200002
VehDyn_SLPHwPos_HwDeg_M_f32	-1353.17004
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	0.870000005
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	34.3699989
k_TravelXCHwAuthority_Uls_f32	0.043575
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_rite_met_rip_venbyn.venbyn_ren_riwrorque_riwrin_lez	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	ed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1294.17004		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	626.101013		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.51000023		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.213989		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	448.5		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1353.17004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.769989		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	•
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3174948758	3174948758	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-559.150024	-559.150024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	626.101013	626.101013	~
VehDyn_MinOffset_HwDeg_M_f32	-1294.17004	-1294.17004	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.3003788	6.3003788 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	✓

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

-249.289978

1 ± 0.004

-249.289993 ± 0.1

Test Step 2.27 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

2015-09-15, 13:01:18+0530



VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	8.1000038 32.0999985 21335 34188 2760420809 3382212733 933.469971 0.000698000018 93.469971 0.000698000018 0 0 1 1 1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.WebSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	21335 34188 2760420809 3382212733 933.469971 0.000698000018 933.469971 0.000698000018 0 0 1 1 1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0.000698000018 933.469971 0.000698000018 0 0 1 1 1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971 0.000698000018 0 0 1 1 1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0.000698000018 0 1 1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 1 1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1 1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	124 246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	246.100006 10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	10 52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018 1
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	52 29076 43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	43868 2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	2760420809 3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	3382212733 -1397.33997 0.000981300022 448.100006 0.000828000018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1397.33997 0.000981300022 448.100006 0.000828000018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0.000981300022 448.100006 0.000828000018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	448.100006 0.000828000018 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0.000828000018 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ValaDian AutoCotal IiCad M. ota Filtarolisticilinad Cotal	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
	138.100006
, = , = , = , = ,	236.199997
	8.10000038
7	32.2099991
	21335
,	34188
	2760420809
, =	3382212733 731.700012
	3.4600015e-005
	731.700012
	0.000698000018
	1
7 2 111 1 111 11 11 11 11 11 11 11 11 11	0
, = = = = = = = = = = = = = = = = = = =	0
	1
	1
	797.700012
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	488.966003
VehDyn_MinOffset_HwDeg_M_f32	-1278.73804
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000274999999
	0.626999974
	-1342.91003
, = 0 = = =	4243378688
9	0
	1.10000002
	0.20000003
	12
	52.099985
	35.8100014
	0.044799984
	2167769344
\$ = ; = = =	463842816 3437401088
	3437401088 4243378688
	target_VehDyn_Per1_CcwEOT_HwDeg_f32
	target_VehDyn_Per1_CwEOT_HwDeg_f32
	target_VehDyn_Per1_HwTorque_HwNm_f32
	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_Sensorless	Authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorless	HwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVl	d_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_h	lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCm	dCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpe	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpe	eed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1287.91003		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	637.007996		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.55000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.820007		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-157.490005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1342.91003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.869995		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1	1	·
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	463842816	463842816	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	_
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn HiSpdLearnt Cnt M Igc	1	1	
VehDyn Initialize Cnt M Igc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_MaxOffset_HwDeg_M_f32	637.007996	637.007996	
VehDyn MinOffset HwDeg M f32	-1287.91003	-1287.91003	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1978722	15.1978722 ± 0.00009	
VehDyn SrlHwAgVldTimer mS M u32	4243378688	4243378688	_
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.28 (Repeat Count = 1)	· ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	72
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn AutoCntrhiSpd M str.RelHwPosFilt1SV_HwDeg_str.K Uls_f32	0.00102199998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrHiSpd_M_str.ReihwPosFilt2SV_hwDeg_str.Sv_Ois_i32 VehDyn_AutoCntrHiSpd_M_str.ReihwPosFilt2SV_hwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.50000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	493.958008
VehDyn_MinOffset_HwDeg_M_f32	-1272.05396
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000276000006
VehDyn_SLPHwAuth_Uls_M_f32	0.611999989
VehDyn_SLPHwPos_HwDeg_M_f32	-1332.65002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_UIs_f32	0.649999976
k_SrlHwAgVIdTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	37.25
k_TraveIXCHwAuthority_UIs_f32	0.0460250005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	1759885568
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
: ,	,





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwN	lm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuth		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwP	·	
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target_VehDyn_Per1_SrlHwAgVld_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target VehDyn Per1 VehicleSpeedVa		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed k		
target VehDyn Per1 CcwEOT HwDeg f32.value	-1281.65002	ψn_132	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	647.914978		
	7.59000015		
target_VehDyn_Per1_HwTorque_HwNm_f32.value			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-158.410004		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-174.199997		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1332.65002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.23999	I=	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	493.958008	493.958008	✓
VehDyn_MinOffset_HwDeg_M_f32	-1107.45007	-1107.44995	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9968786	13.9968786 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 ChecknointReached	1	_

-1071.80994

-1071.81006 ± 0.1

Test Step 2.29 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime

 $target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value$

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Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.2999992
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.3000031
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	72.3000031
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948758
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00070199999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00070199999
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
	86.3000031
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	92.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106269994
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000831999991
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.4000015
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.5
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	12.3999996
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	72.5
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	53946
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.54000003e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00070199999
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
ehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	498.950012
ehDyn_MinOffset_HwDeg_M_f32	-1265.37
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000277000014
ehDyn_SLPHwAuth_Uls_M_f32	0.597000003
/	-1322.39001
ehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
HiSpdVDAuthority_Uls_f32	0
_HwTqMgnThd_HwNm_f32	6.5
_LoSpdVDAuthority_Uls_f32	0.779999971
	65
SystkinPatio_MtrDognHwDog_f32	100
x_SysKinRatio_MtrDegpHwDeg_f32	
TravelXCDeadband_Uls_f32	38.6899986
TravelXCHwAuthority_Uls_f32	0.0472499989
arget_DtrmnElapsedTime_mS_u32_ElapsedTime arget_GetSystemTime_mS_u32_CurrentTime	3323480832
	1662097408

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Name	Input Value		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688		
target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	1	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3:	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	lls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3:	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1275.39001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	658.822021		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.63000011		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-475.299988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1322.39001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	62.8899994		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	· ·
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_Initialize_Cnt_M_lgc	1	1	_
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	V
VehDyn_MaxOffset_HwDeg_M_f32	498.950012	498.950012	
VehDyn_MinOffset_HwDeg_M_f32	-800.090027	-800.090027	V
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89964294	8.89964294 ± 0.000009	· ·
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	V
target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value	0.597000003	0.597000003 ± 0.004	V
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 ChecknointReached	1	_



Test Step 2.30 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	96.4000015
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	64.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.399996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	92.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	44
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00110340002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000834000006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	92.400015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005 3.5799998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-157.490005
VenDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000704000005
VenDyn_AutoCntrLoSpd_M_str.ReinwPosFiitzSv_mwbeg_str.K_bis_isz VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000704000005
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
/ehDyn ForceCenterOffset HwDeg M f32	1097.43005
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn Initialize Cnt M Igc	0
/ehDyn_LoSpdLearnt Cnt M lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	503.941986
/ehDyn_MinOffset_HwDeg_M_f32	-1258.68604
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
/ehDyn_PinTrqSV_M_str.K_UIs_f32	0.000277999992
VehDyn_SLPHwAuth_Uls_M_f32	0.582000017
VehDyn_SLPHwPos_HwDeg_M_f32	-1312.13
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0.879999995
k_SrlHwAgVldTiThd_mS_u32	112





Input Value	
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_WTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SirlhwAg_Vid_Cnt_lgc target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SirlhwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value f669.729004 target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Srll-HwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Srll-HwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Srll-HwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Srll-HwAgVId_Cnt_lgc target_VehDyn_Per1_Srll-MagVId_Cnt_lgc target_VehDyn_Per1_Srll-Mag_HwDeg_f32 target_VehDyn_Per1_Srll-Mag_HwDeg_f32 target_VehDyn_Per1_Srll-Mag_HwDeg_f32 target_VehDyn_Per1_Srll-Mag_HwDeg_f32 target_VehDyn_Per1_Srll-Mag_HwDeg_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_ReiHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_Mtrorque_HwNm_f32.value 7.67000008	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MTorque_HwNm_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MTorque_HwNm_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_NericleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kp	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value 7.67000008	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_LowEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1269.13 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 669.729004 target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 669.729004 target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.67000008	
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 159.360001	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -157.490005	
target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 0	
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -1312.13	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 8.19999981	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 0	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 123.330002	
Name Actual Value Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4004004656 4004004656	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -157.490005 -157.490005 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -157.490005 -157.490005 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc 0 0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc 0 0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2127166208 2127166208	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4004004656 4004004656	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -157.490005 -157.490005 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -157.490005 -157.490005 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 0 0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2127166208 2127166208	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4004004656 4004004656	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -157.490005 -157.490005 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -157.490005 -157.490005 -157.490005	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc 0	✓
VehDyn_Initialize_Cnt_M_lgc 1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc 0	✓
VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004	~
VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	
VehDyn SrlHwAgVldTimer mS M u32 1050692864 1050692864	~
target VehDyn Per1 SensorlessAuthority Uls f32.value 0.879999995 0.879999995 0.879999995 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value 0 0±0.1	v



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

Fest Step 2.31 (Repeat Count = 1)	Innuit Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.099998
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	79.0999985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	26195
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000547999982
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	400.799988
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.900002
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.8000002
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.9000015
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.46000013e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn MaxOffset HwDeg M f32	613.765991		
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000371000002		
VehDyn_SLPHwAuth_Uls_M_f32	0.252000004		
VehDyn_SLPHwPos_HwDeg_M_f32	-1086.41003		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVIdTiThd_mS_u32	45 22		
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	71.8099976		
k TravelXCHwAuthority Uls f32	0.075424999		
target DtrmnElapsedTime mS u32 ElapsedTime	3524313344		
target_GetSystemTime_mS_u32_CurrentTime	1358028288		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_E	Ti 4077829376		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_C target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1131.41003) 2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	909.682983		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.48999977		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.64001		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1086.41003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.3699989		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-1459.40002 0	-1459.40002 ± 0.009	·
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1358028288	1358028288	•
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	Y
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	*
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1 0	1 0	Š
VehDyn_AutoCntrLoSpd_M_str.Filter2Enlable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	-
VehDyn Initialize Cnt M Igc	1	1	-
VehDyn LoSpdLearnt Cnt M Igc	1	1	-
VehDyn_MaxOffset_HwDeg_M_f32	613.765991	613.765991	-
VehDyn_MinOffset_HwDeg_M_f32	327.98999	327.98999	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.19538641	3.19538641 ± 0.000009	-





Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1557.72998	-1557.72998 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

Fest Step 2.32 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	52.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	58929
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-354.700012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000706000021
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000706000021
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1
	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.3000031
	34.099985
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	20.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00114409998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000836000021
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.400002
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.5400009
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.5
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.1999998
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.61999992e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000706000021
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn ForceCenterOffset HwDeg M f32	1197.33997

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	508.93399		
VehDyn_MinOffset_HwDeg_M_f32	-1252.00195		
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	-18.7999992 0.000279		
VehDyn SLPHwAuth Uls M f32	0.566999972		
VehDyn_SLPHwPos_HwDeg_M_f32	-1301.87		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	0.99000001		
k_SrlHwAgVldTiThd_mS_u32	1385		
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004		
k_TravelXCDeadband_Uls_f32	41.5699997		
k_TravelXCHwAuthority_Uls_f32	0.0496999994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2430672128		
target_GetSystemTime_mS_u32_CurrentTime	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	•	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3 target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SellsollessHwF0s_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	vDeg_is2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1262.87		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	680.635986		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.71000004		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.40002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-354.700012		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1301.87		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.75	I=	1
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	Ž
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012 0	-354.700012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd_W_str.Filter1Initialized Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	j
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4243378688	4243378688	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	*
	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1 1 1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-1262.87	-1262.87	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7928352	-18.7928352 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1552.04004	-1552.04004 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Fest Step 2.33 (Repeat Count = 1)	Janual Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.300031
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.099976
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.230003
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.3999996
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	62.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000531999976
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.300031
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.5999985
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	6
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.13999987e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0





Name	Input Value		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	573.830017		
VehDyn_MinOffset_HwDeg_M_f32	-1165.10999		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000362999999		
VehDyn_SLPHwAuth_Uls_M_f32	0.372000009		
VehDyn_SLPHwPos_HwDeg_M_f32	-1168.48999		
VehDyn_SrlHwAgVldTimer_mS_M_u32	0		
k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32	1.5		
k_LoSpdVDAuthority_Uls_f32	1.3		
k SrlHwAgVldTiThd mS u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985		
k_TravelXCDeadband_Uls_f32	60.2900009		
k_TravelXCHwAuthority_Uls_f32	0.065624997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544		
target_GetSystemTime_mS_u32_CurrentTime	3304439296		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	!	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	lls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr	_ -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1181.48999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	822.427002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	7.03999996 -900.01001		
target VehDyn Per1 RelHwPos HwDeg f32.value	-1081.09998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1168.48999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.080002		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2760420809	2760420809	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
	-1081.09998	-1081.09998 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-1081.09998 0		•
		-1081.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	-1081.09998 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	-1081.09998 ± 0.009 0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0	-1081.09998 ± 0.009 0 0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0	-1081.09998 ± 0.009 0 0 0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0 0 1 3304439296	-1081.09998 ± 0.009 0 0 0 1 1 3304439296	***
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 1 3304439296 2760420809 -1081.09998	-1081.09998 ± 0.009 0 0 0 1 1 3304439296 2760420809	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 -1081.09998	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 0	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 -1081.09998 0	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 -1081.09998 0 1	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009 0 1 1	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 -1081.09998 0 1 1	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 0 2760420809	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 0 1 3304439296 2760420809 -1081.09998 -1081.09998 0 1 1 0 2760420809 2760420809	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 0 2760420809 2760420809 2760420809	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 1 3304439296 2760420809 -1081.09998 -1081.09998 0 1 1 0 2760420809 2760420809 -1081.09998	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 0 2760420809 -760420809 -760420809 -1081.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 1 3304439296 2760420809 -1081.09998 0 1 1 1 0 2760420809 2760420809 -1081.09998 -1081.09998	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 0 2760420809 -760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009 -1081.09998 ± 0.009 -1081.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 0 1 1 0 2760420809 2760420809 -1081.09998 -1081.09998 1	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 1 0 2760420809 2760420809 2760420809 -1081.09998 ± 0.009 0 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 -1081.09998 0 1 1 1 0 2760420809 2760420809 -1081.09998 -1081.09998 1 0	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 1 0 2760420809 2760420809 -1081.09998 ± 0.009 0 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 0 1 1 1 0 2760420809 2760420809 -1081.09998 -1081.09998 -1081.09998 1 0 0	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 1 0 2760420809 2760420809 -1081.09998 ± 0.009 0 1 1 0 0 1 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 0 1 3304439296 2760420809 -1081.09998 -1081.09998 0 1 1 1 0 2760420809 2760420809 -1081.09998 -1081.09998 1 0	-1081.09998 ± 0.009 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 1 0 2760420809 2760420809 -1081.09998 ± 0.009 0 1 1 0	

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Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	573.830017	573.830017	✓
VehDyn_MinOffset_HwDeg_M_f32	-100.390015	-100.389999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7957363	18.7957382 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477	5477	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-380.149963	-380.149994 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.34 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.099998
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	79.0999985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	26195
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000547999982
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	400.799988
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.900002
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	10.8000002
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.9000015
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn AutoCntrLoSpd M str.Timer1 mS u32	2160073393
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	1024
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	4.46000013e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	613.765991		
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	0		
VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32	0.000371000002 0.252000004		
VehDyn_SLPHwPos_HwDeg_M_f32	-1086.41003		
VehDyn SrlHwAgVldTimer mS M u32	2659241984		
k_HiSpdVDAuthority_UIs_f32	0		
k HwTgMgnThd HwNm f32	2.0999999		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	45		
k_SysKinRatio_MtrDegpHwDeg_f32	45		
k_TravelXCDeadband_Uls_f32	71.8099976		
k_TravelXCHwAuthority_UIs_f32	0.075424999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344		
target_GetSystemTime_mS_u32_CurrentTime	1358028288		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	4077829376		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	2659241984		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1131.41003	5Z	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	909.682983		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.48999977		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.64001		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1086.41003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.3699989		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	-
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2160073393	2160073393	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1358028288	1358028288	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
		2160073393	→
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 -1459.40002	1024 -1459.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1024 -1459.40002 -1459.40002	1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	1024 -1459.40002 -1459.40002 1	1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1024 -1459.40002 -1459.40002	1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009	





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	613.765991	613.765991	~
VehDyn_MinOffset_HwDeg_M_f32	327.98999	327.98999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-0.0034746211	-0.0034746211 ± 0.000000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1557.72998	-1557.72998 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
rmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
e_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
e_nst_Ap_venbyn hDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
	41.7999992
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821 53946
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.0999985
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.9000007e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979

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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn LoSpdLearnt Cnt M Igc	1			
VehDyn_MaxOffset_HwDeg_M_f32	419.078003			
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396			
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261000008			
VehDyn_SLPHwAuth_Uls_M_f32	0.837000012			
VehDyn_SLPHwPos_HwDeg_M_f32	-1486.55005			
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432			
k_HiSpdVDAuthority_UIs_f32	0.272780001			
k_HwTqMgnThd_HwNm_f32	3.099999			
k_LoSpdVDAuthority_UIs_f32	1			
k_SrlHwAgVldTiThd_mS_u32	9000			
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985			
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	15.6499996 0.0276500005			
k_TravelXCHWAutnority_Uis_132 target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208			
target GetSystemTime mS u32 CurrentTime	437658624			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT				
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3:	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l	Jls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.309998			
target_VehDyn_Per1_HwTorque_HwNm_f32.value target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-9.10000038 154.199997			
target_venDyn_Per1_MotorvelCRF_MtrRadpS_132.value	731.700012			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1486.55005			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009			
Name	Actual Value	Expected Value		Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1		1100011
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948758	3174948758		•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009		•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009		•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0		•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0		•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624		•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024		•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009		•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009		•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0		•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1		~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0	0		•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758		
VENTAGE AGREE AND CASO IVEST TIMELY INS. 1137	1 11174			

1024

0

731.700012

731.700012

VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

0

731.700012 ± 0.0009

731.700012 ± 0.0009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-247.390015	-247.389999	~
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396	-1372.31396	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1936579	15.1936579 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1332.73999	1332.73999 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTim
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997 12.1999998
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	199
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30000
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43128
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000549999997
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	600.900024
'ehDyn AutoCntrLoSpd M str.VehSpd kph f32	126.800003
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	12.8999996
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	85.8000031
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrLoSpd_M_str.Timer2+mesit_ms_u+o	54822322
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
/ehDyn_AutoCntrLoSpd_M_str.ReinwFoSFilt13V_HwDeg_str.Sv_0is_i32	4.50000007e-005

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	618.757996		
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398		
VehDyn PinTrgSV M str.SV Uls f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00037200001		
VehDyn SLPHwAuth Uls M f32	0.237000003		
VehDyn_SLPHwPos_HwDeg_M_f32	-1076.15002		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360		
k_HiSpdVDAuthority_UIs_f32	0.670000017		
k HwTqMgnThd HwNm f32	3.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031		
k TravelXCDeadband Uls f32	73.25		
k_TravelXCHwAuthority_Uls_f32	0.0766500011		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104		
target_GetSystemTime_mS_u32_CurrentTime	123		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
,			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_t32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1125.15002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.56999969		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1076.15002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.179993		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	123	123	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrHiSpd M etr Filter1Initialized Cnt Inc	0	0	

0

123

54822322

459.209991

459.209991

0

123

54822322

459.209991 ± 0.0009

459.209991 ± 0.0009

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

 $VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc$

VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	461.380035	461.380005	~
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398	-1104.95398	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.40158939	-5.40158939 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	260.969971	260.970001 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.37 (Repeat Count = 1)	Innut Volue
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	0
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	0
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.51327106e-006
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51327106e-006
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	0
/ehDyn_AutoCntrLoSpd_W_sir.WitVer_WittRaup3_132 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoChtrLoSpd_M_str.Timer1Thresh_mS_u16	0
	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	U

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600		
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006 -1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn MaxOffset HwDeg M f32	-2840		
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006		
VehDyn_SLPHwAuth_Uls_M_f32	0		
VehDyn_SLPHwPos_HwDeg_M_f32	-1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	0		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVIdTiThd_mS_u32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	1		
k_TravelXCDeadband_Uls_f32	0		
k_TraveIXCHwAuthority_UIs_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cr		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.		
target VehDyn Per1 CcwEOT HwDeg f32.value	-1440.10999	_	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target VehDyn Per1 VehicleSpeedValid Cnt lgc.value	-8.80000019 0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	•	-1600 ± 0.009	
,	-1600		
	-1600 -1600		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1600 -1600 0	-1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1600 0	-1600 ± 0.009	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	360	360	~
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	-
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

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Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.299988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000688
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000688
ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	498
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	196
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	10.1000004
'ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	96
ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	53759
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	18715
'ehDyn AutoCntrHiSpd M str.Timer1 mS u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	355.5
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000777799985
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	355.5
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000818
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoChtrhSpd_M_str.MtrVel_MtrRadpS_f32	539.700012
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.600006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.699998
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.599985





Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43128		
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	58869		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.26000008e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000688		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn ForceCenterEnabled Cnt M lgc	1		
VehDyn ForceCenterOffset HwDeg M f32	298.149994		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	0		
7	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc			
VehDyn_MaxOffset_HwDeg_M_f32	464.006012		
VehDyn_MinOffset_HwDeg_M_f32	-1312.15796		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786		
VehDyn_SLPHwAuth_Uls_M_f32	0.702000022		
VehDyn_SLPHwPos_HwDeg_M_f32	-1394.20996		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	6.32000017		
k_LoSpdVDAuthority_UIs_f32	0.800000012		
k_SrlHwAgVldTiThd_mS_u32	987		
k_SysKinRatio_MtrDegpHwDeg_f32	96.5		
k_TravelXCDeadband_Uls_f32	28.6100006		
k_TravelXCHwAuthority_Uls_f32	0.038674999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target GetSystemTime mS u32 CurrentTime	2269150976		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	2659241984		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	lls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m f32	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f3.		
		2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1319.20996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	582.473022		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.11999989		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.450012		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	355.5		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1394.20996		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.6000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.550003		
		From a start Male	Б.
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
			-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	*
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0	0	
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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	582.473022	582.473022	~
VehDyn_MinOffset_HwDeg_M_f32	-1319.20996	-1319.20996	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60695314	-1.60695314 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	57.3500061	57.3499985 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Nome	Innut Value
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	350.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	69
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000546000025
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1

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VehDyn_Per1



- Venbyn_r err			1-12-16-16	
Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994	350.899994		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.800003			
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7999992			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631			
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4.41999982e-005 1146.91003			
	0.000745999976			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000743999970			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1			
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004			
VehDyn_HiSpdLearnt_Cnt_M_lgc	0			
VehDyn_Initialize_Cnt_M_lgc	0			
VehDyn_LoSpdLearnt_Cnt_M_lgc	0			
VehDyn_MaxOffset_HwDeg_M_f32	608.773987			
VehDyn_MinOffset_HwDeg_M_f32	-1118.32202			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000369999994			
VehDyn_SLPHwAuth_Uls_M_f32	0.26699999			
VehDyn_SLPHwPos_HwDeg_M_f32	-1096.67004			
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984			
k_HiSpdVDAuthority_Uls_f32	1			
k_HwTqMgnThd_HwNm_f32	1.10000002			
k_LoSpdVDAuthority_Uls_f32	0			
k_SrlHwAgVldTiThd_mS_u32	12			
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985			
k_TravelXCDeadband_Uls_f32	70.3700027			
k_TravelXCHwAuthority_UIs_f32	0.0741999969			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824			
target_GetSystemTime_mS_u32_CurrentTime	3351443200			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse				
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_starget_Rte_Last_Ap_VehDyn_SystemTime_st		600		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_ target_VehDyn_Per1_CwEOT_HwDeg_f3			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrF			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	· -		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthorit	_		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target VehDyn Per1 SensorlessHwPos			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_l			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target VehDyn Per1 SrlHwAg HwDeg			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_N			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph	n_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1137.67004			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	898.776001			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.40999985			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.139999			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1096.67004			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6699982			
Name	Actual Value	Expected Value	Resu	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	•	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	,	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3351443200	3351443200		
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4211268631	4211268631		

4211268631

4211268631





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3351443200	3351443200	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	898.776001	898.776001	~
VehDyn_MinOffset_HwDeg_M_f32	-1137.67004	-1137.67004	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79365158	7.7936511 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984	800969984	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1148.48999	1148.48999 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.40 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1.
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	199
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30000
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43128
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000549999997
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000880000007

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.900024		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.800003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.8000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.50000007e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	618.757996		
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00037200001		
VehDyn_SLPHwAuth_Uls_M_f32	0.237000003		
VehDyn_SLPHwPos_HwDeg_M_f32	-1076.15002		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360		
k_HiSpdVDAuthority_Uls_f32	0.670000017		
k_HwTqMgnThd_HwNm_f32	3.0999999		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031		
k_TravelXCDeadband_Uls_f32	73.25		
k_TravelXCHwAuthority_Uls_f32	0.0766500011		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104		
target_GetSystemTime_mS_u32_CurrentTime	123		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	ma	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1125.15002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.56999969		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1076.15002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.179993		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc$

1





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	123	123	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	123	123	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	461.380035	461.380005	~
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398	-1104.95398	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40158939	-5.40158939 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	260.969971	260.970001 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	-

Test Step 2.41 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	566.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	189
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	22.1000004
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110

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VehDyn_Per1



Name	Input Value			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000523999974			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000853999984			
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1			
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1			
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1			
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.799988			
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	32.7999992 16.7999992			
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.599985			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779			
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	383750110			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.98000011e-005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000723999983			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0			
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	1			
VehDyn_MaxOffset_HwDeg_M_f32	553.862			
VehDyn_MinOffset_HwDeg_M_f32	-1191.84595			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000358999998			
VehDyn_SLPHwAuth_Uls_M_f32	0.432000011			
VehDyn_SLPHwPos_HwDeg_M_f32	-1209.53003			
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432			
k_HiSpdVDAuthority_UIs_f32	0 0.119999997			
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	0.800000012			
k_SrlHwAgVldTiThd_mS_u32	951			
k_SysKinRatio_MtrDegpHwDeg_f32	52.0999985			
k TravelXCDeadband Uls f32	54.5299988			
k TravelXCHwAuthority Uls f32	0.0607249998			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928			
target GetSystemTime mS u32 CurrentTime	309385728			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed				
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTin				
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f3.	2		
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	· -		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	lwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVid_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1206.53003			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	778.799011			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.09998			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	829.530029			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1209.53003			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.024994	1		
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	•	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	383750110	383750110	· · · · · · · · · · · · · · · · · · ·	

383750110

383750110





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-50.7310181	-50.730999	•
VehDyn_MinOffset_HwDeg_M_f32	-1191.84595	-1191.84595	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59979486	7.59979486 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.432000011	0.432000011 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-380	-380 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.42 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	63.4000015
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	124.400002
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	8366
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51002
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000725999998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000725999998
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350.600006
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	147
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716





Name VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32	Input Value 2138628886 2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
Valancia AutoCatal ICad M. etc. Dell lu Des Filtd CV. Llu Descrite V. Illa 522	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000525999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	63.099985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	8366 51002
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.02000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000725999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	558.854004
VehDyn_MinOffset_HwDeg_M_f32	-1185.16199
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000360000005
VehDyn_SLPHwAuth_Uls_M_f32	0.416999996
VehDyn_SLPHwPos_HwDeg_M_f32	-1199.27002
VehDyn_SrlHwAgVIdTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32	1 5,4499981
k_LoSpdVDAuthority_Uls_f32	0.89999976
k_cospovDAdditionty_ois_i32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	41.2999992
k TravelXCDeadband Uls f32	55.9700012
k_TravelXCHwAuthority_Uls_f32	0.0619499981
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760
target_GetSystemTime_mS_u32_CurrentTime	4164171008
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1200.27002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	789.705994
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.01000023
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.100006 4422.40002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1199.27002 1 6000002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002 0
target VehDyn Per1 VehicleSpeedValid Cnt Ige value	V
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	499 089996
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	499.089996 Actual Value Expected Value Result





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-333.694031	-333.694	✓
VehDyn_MinOffset_HwDeg_M_f32	-1185.16199	-1185.16199	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5019697	1.5019697 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.43 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	3658
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	5853
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000728000014
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000728000014
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
, =	2345892860
, =	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
, =	0.00528000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
, =	0.000858000014
, = - = = = = = = = = = = = = = = = = =	1
, =	1
, = , = = = = = = = = = = = = = = = = =	0
, =	10.1000004
	84.099985
	8.5
	96.0999985
	3658
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853
	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.0599999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
, =	0.000728000014
,	1
, =	0
, , , , , , , , , , , , , , , , , , , ,	0
	1
, , , , , , , , , , , , , , , , , , , ,	0
, = = = ===	-900.77002
7 - 1 - 2 - 20	1
, = = = = = = =	0
7 - 1 - 2 - 20	563.846008
7 =	-1178.47803
	-1.60000002
	0.000361000013
	0.40200001
	-1189.01001
	824746752
	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	63.5
k_TravelXCDeadband_Uls_f32	57.4099998
k_TravelXCHwAuthority_Uls_f32	0.0631750003
	2836768512
3.2,	437658624
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
	824746752
	target_VehDyn_Per1_CcwEOT_HwDeg_f32
	target_VehDyn_Per1_CwEOT_HwDeg_f32
0 = = = 1 =	target_VehDyn_Per1_HwTorque_HwNm_f32
	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
	target_VehDyn_Per1_RelHwPos_HwDeg_f32
	target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
	target_VenDyn_Per1_TorqueCmdCRF_MtrNm_f32
	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
0 /_ /_ //	5 _ / _ · _ · · · · · · · · · · · · · · ·
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed Kph f32
	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1194.01001
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-1194.01001
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1194.01001 800.612976
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1194.01001 800.612976 7.01999998
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1194.01001 800.612976 7.01999998 88.8000031
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value	-1194.01001 800.612976 7.01999998 88.8000031 -378.170013





Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.339996		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	800.612976	800.612976	•
VehDyn_MinOffset_HwDeg_M_f32	-1194.01001	-1194.01001	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59686208	-1.59686208 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.40200001	0.40200001 ± 0.004	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1567.18005	-1567.18005 ± 0.1	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.44 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000730000029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000730000029
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	255
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.200008
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000530000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.700008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.099985
VehDyn_AutoCntrloSpd_M_str.FiltPinTrq_HwNm_f32	4.6999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	29076 43868
VehDyn_AutoCntrLoSpd_M_str.Timer2Tnresn_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.0999993e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV UIs f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000730000029
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	568.838013
VehDyn_MinOffset_HwDeg_M_f32	-1171.79395
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000361999992
VehDyn_SLPHwAuth_Uls_M_f32	0.386999995
VehDyn_SLPHwPos_HwDeg_M_f32	-1178.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	123
k_HiSpdVDAuthority_UIs_f32	0.999000013
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	1 0
_ :	70
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985
k TravelXCDeadband Uls f32	58.8499985
k_TravelXCHwAuthority_Uls_f32	0.0644000024
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_E	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1187.75
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	811.52002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03000021
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.9000015
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	-1415.88 0





Name	Input Value		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1178.75		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.820007		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	811.52002	811.52002	~
VehDyn_MinOffset_HwDeg_M_f32	-1187.75	-1187.75	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7921276	-14.7921276 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.386999995	0.386999995 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.45 (Repeat Count = 1)	<u> </u>
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986

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Name	Inner A Walton
Name VabDun AutoCataDatCad M etc Filterd Facility Cat. Ica	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.230003
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	62.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000531999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86,3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.5999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	6
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.13999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012
VehDyn HiSpdLearnt Cnt M lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	573.830017
VehDyn_MinOffset_HwDeg_M_f32	-1165.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000362999999
VehDyn_SLPHwAuth_Uls_M_f32	0.372000009
VehDyn_SLPHwPos_HwDeg_M_f32	-1168.48999
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32 k SysKinRatio MtrDegpHwDeg f32	456 75.0999985
k TravelXCDeadband Uls f32	60.2900009
k_TraveIXCHwAuthority_Uls_f32	0.065624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_venDyn_Per1_venicieSpeedvalid_Cnt_igc target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1181.48999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	822.427002





Name	Input Value		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03999996		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.01001		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1081.09998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1168.48999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.080002		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	573.830017	573.830017	~
VehDyn_MinOffset_HwDeg_M_f32	-100.390015	-100.389999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7960987	17.7961006 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477	5477	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-380.149963	-380.149994 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.46 (Repeat Count = 1)	•
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0 -1600
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn MinOffset HwDeg M f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TraveIXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDgg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
targot_rito_mot_rp_vonDym.vomDym_r or i_vomoleopeeu_rpm_loz	Targot_voribyti_t or t_voribleopeca_t\pit_toz





Name	Input Value		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-1118		
target VehDyn Per1 RelHwPos HwDeg f32.value	-1600		
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	-
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	•
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	-
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	✓
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	0	0	-
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	•
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	-
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0	0	-
VehDyn HiSpdLearnt Cnt M Igc	0	0	•
VehDyn Initialize Cnt M Igc	1	1	-
VehDyn LoSpdLearnt Cnt M Igc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	360	360	-
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992	-18.7999992 ± 0.00009	-
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	-
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1600	-1600 ± 0.1	-

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.47 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	64.6999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	82.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.X_Uls_f32	0.000536000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.5999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.6000004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.22000012e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	-501.130005
	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	7
VehDyn_MaxOffset_HwDeg_M_f32	583.814026
VehDyn_MinOffset_HwDeg_M_f32	-1151.74194
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000365000014
VehDyn_SLPHwAuth_Uls_M_f32	0.342000008
VehDyn_SLPHwPos_HwDeg_M_f32	-1147.96997
VehDyn_SrlHwAgVldTimer_mS_M_u32	4178051584
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	63.1699982
k_TravelXCHwAuthority_Uls_f32	0.0680750012
target_DtrmnElapsedTime_mS_u32_ElapsedTime	170564352
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg_132
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_UIs_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32





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Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_Vehicles	SpeedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_Vehicles	Speed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1168.96997		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	844.241028		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.01000023		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.170013		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-736.599976		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1147.96997		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.8789997		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	844.241028	844.241028	~
VehDyn_MinOffset_HwDeg_M_f32	-1168.96997	-1168.96997	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29439259	6.29439259 ± 0.000009	✓
VehDyn SrlHwAgVldTimer mS M u32	4178051584	4178051584	✓
terret Veh Dur. Derd. Concerless Authority. Ille. 622 value	4	1 + 0.004	

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•	
Autocenter_f32	1	Autocenter_f32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~	

-235.469971

1 ± 0.004

-235.470001 ± 0.1

Test Step 2.48 (Repeat Count = 1)	v 🔻
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57944

 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name		
Verbin, AutoChrobes J. M. et Perlandriston Princip, ser SV. Us. 102 100,009981 Verbin, AutoChrobes J. M. et Perlandriston Princip, ser SV. Us. 102 100,0009981 Verbin, AutoChrobes J. M. et Perlandriston Princip, ser SV. Us. 102 100,0007999970 Verbin, AutoChrobes J. M. et Perlandriston Princip, ser SV. Us. 102 Verbin, AutoChrobes J. M. et Perlandriston Princip, ser SV. Us. 102 Verbin, AutoChrobes J. M. et Perlandriston Princip, ser SV. Us. 102 Verbin, AutoChrobes J. M. et Perlandriston Christon Verbin, ser SV. Us. 102 Verbin, AutoChrobes J. M. et Perlandriston Christon Verbin, AutoChrobes J. M. et Perlandriston Verbin, autoChrobes	Name	Input Value
Verbijn Ausbordinders M. et infelherofanist V. Hoogy at M. 20 20 Verbijn Ausbordinders M. et infelherofanist V. Hoogy at M. 20 20 Verbijn Ausbordinders M. et infelherofanist V. Hoogy at M. 20 21 Verbijn Ausbordinders M. et infelherofanist V. Hoogy at M. 20 21 Verbijn Ausbordinders M. et infelherofanist V. Hoogy at M. 20 21 Verbijn Ausbordinders M. et infelherofanist V. Hoogy at M. 20 21 Verbijn Ausbordinders M. et infelherofanist V. Hoogy at M. 20 21 Verbijn Ausbordinders M. et infelherofanist V. Hoogy at M. 20 22 Verbijn Ausbordinders M. et infelherofanist V. Hoogy at V. 20 22 Verbijn Ausbordinders M. et inferholf Them die U. 20 204 Verbijn Ausbordinders M. et inferholf Them die U. 20 204 Verbijn Ausbordinders M. et inferholf Them die U. 20 204 Verbijn Ausbordinders M. et inferholf Them die U. 20 202 Verbijn Ausbordinders M. et inferholf Them die U. 20 202 Verbijn Ausbordinders M. et inferholf Them die U. 20 202 Verbijn Ausbordinders M. et inferholf Them die U. 20 20 Verbijn Ausbordinders M. et inferholf Them die U. 20 20 Verbijn Ausbordinders M. et inferholf Them die U. 20 20 <	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VenDum, Auschrechesty M. precheberatins V. Horizog and V. U. 12 1000000000000000000000000000000000	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
Verby, Auconinary II. vs. Beninkowiczy II. vs. by 1900 pp. 45 V lat. 122 10 10 10 10 10 10 10 10 10 10 10 10 10	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VenDy_Autocrafted M. of Reinford Vendor Autocrafted M. of Reinford Vendor Vendo	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000737999973
Verbilly, Auschmidschild, M. et Piller Transe, Cirilipo Verbilly, Auschmidschild, M. e	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VARIDA, AUXICORDESSO, M. SETTIMETERNE, CPL 190 VARIDA, AUXICORDESSO, M. SETIMETERNE, M. SETIMETERNE, CPL 190 VARIDA, AUXICORDESSO, M. SETIMETERNE, M	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000737999973
VARIDA, AUXICORDESSO, M. SETTIMETERNE, CPL 190 VARIDA, AUXICORDESSO, M. SETIMETERNE, M. SETIMETERNE, CPL 190 VARIDA, AUXICORDESSO, M. SETIMETERNE, M	VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
Verbigs, Auchoritation July 11 International Circling		1
VARDOM, ASCORDENSISM, M. SERVINE (MESSON) 12		
Verloy, Auchoritises M. str. Windows D. 1900 Verloy, Auchoritises M. str. Windows P. 1900 Verloy, Auchoritises		0
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VanDring Audochteristics M. Str. Drinkfordow Hebberg 522 VanDring Audochteristics M. Str. Drinkfordow Hebberg M. Str. Drinkfordow M. Str		
VerDing Auscontribiged M. Bit Times Threeth in St. 116		
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VanDyn, Auscontinged, M. att Timer 1, mis_10.22 338221733 VanDyn, Auscontinged, M. att Timer 1, mis_10.22 1210.5998 VanDyn, Auscontinged, M. att Timer 1, mis_10.24 1210.5998 VanDyn, Auscontinged, M. att Timer 1, mis_10.25 1210.59998		
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k_HiSpdVDAuthority_Uls_f32 k_bwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 defense target_DtrmnElapsedTime_mS_u32_ElapsedTime defense target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime darget_Rte_Call_Ap_VehDyn.VehDyn_Per1_CowEOT_HwDeg_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 darget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 darget_VehDyn_Per1_SensorlessAuthority_Uls_f32 darget_VehDyn_Per1_SensorlessAuthority_Uls_f32 darget_VehDyn_Per1_SensorlessAuthority_Uls_f32 darget_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 ck_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCDeadband_Uls_f32 ck_TravelXCHwAuthority_Uls_f32 dtarget_DtrmnElapsedTime_mS_u32_ElapsedTime dtarget_DtrmnElapsedTime_mS_u32_ElapsedTime dtarget_DtrmnElapsedTime_mS_u32_ElapsedTime dtarget_DtrmnElapsedTime_mS_u32_ElapsedTime dtarget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime dtarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTime dtarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime dtarget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 dtarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 dtarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 dtarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 dtarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 dtarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 dtarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 dtarget_VehDyn_Per1_SensorlessAuthority_Uls_f32 dtarget_VehDyn_Per1_SensorlessAuthority_Uls_f32 dtarget_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		4077829376
k_cloSpdVDAuthority_Uls_f32	k_HiSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 ctarget_DtrmnElapsedTime_mS_u32_ElapsedTime ctarget_GetSystemTime_mS_u32_CurrentTime ctarget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime ctarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_LwTorque_HwNm_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 ctarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 ctarget_VehDyn_Per1_SensorlessAuthority_Uls_f32 ctarget_VehDyn_Per1_SensorlessAuthorit	k_HwTqMgnThd_HwNm_f32	1.10000002
k_SysKinRatio_MtrDegpHwDeg_f32	k_LoSpdVDAuthority_UIs_f32	0
k_TravelXCDeadband_Uls_f32	k_SrlHwAgVldTiThd_mS_u32	16445
k_TravelXCDeadband_Uls_f32	k_SysKinRatio_MtrDegpHwDeg_f32	42.0999985
k_TravelXCHwAuthority_Uls_f32		64.6100006
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime 289493880 824746752 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_kte_inst_ap_venuyn.venuyn_Per1_SriHwAgVid_Cnt_igc target_VenUyn_Per1_SriHwAgVid_Cnt_igc		
	target_kte_inst_ap_venuyn.venuyn_Per1_SriHwagVld_Cnt_lgc	target_venDyn_Peri_SnHwAgvig_Cht_igc





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kp	h_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1162.70996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	855.14801		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.09000015		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.869995		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1210.59998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1137.70996		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.5499992		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2894938880	2894938880	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2894938880	2894938880	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	855.14801	855.14801	~
VehDyn_MinOffset_HwDeg_M_f32	-1162.70996	-1162.70996	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1910667	15.1910677 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376	4077829376	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.326999992	0.326999992 ± 0.004	~
, -			

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

72.8900146

72.8899994 ± 0.1

Test Step 2.49 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.5

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	52282 3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-10.3400002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86 34.2000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.7999995
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000539999979
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0.000869999989
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.6000004
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3589476707 -10.3400002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	4.3e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeg M f32	1 -301.309998
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn Initialize Cnt M lqc	1
VehDyn LoSpdLearnt Cnt M Iqc	1
VehDyn_MaxOffset_HwDeg_M_f32	593.797974
VehDyn_MinOffset_HwDeg_M_f32	-1138.37402
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000367000001
VehDyn_SLPHwAuth_Uls_M_f32	0.312000006
VehDyn_SLPHwPos_HwDeg_M_f32	-1127.44995
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728
k_HiSpdVDAuthority_UIs_f32	1 2000005
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	1.20000005
k_SrlHwAgVldTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004
k_TravelXCDeadband_Uls_f32	66.0500031
k_TravelXCHwAuthority_Uls_f32	0.070524998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1711664384
target_GetSystemTime_mS_u32_CurrentTime	2059598336
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u30_ElapseDTime_mS_u30_ElapseD$	123
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime$	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target VehDyn Per1 VehicleSpeedValid (
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1156.44995		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	866.054993		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.17000008		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.679993		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-10.3400002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1127.44995		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-1.8999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.6399994		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	- Tooult
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2059598336	2059598336	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	-
	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	-
	3589476707	3589476707	
VehDyn_AutoCatrl oSpd_M_str.Timer2_mS_u32	-10.3400002	-10.3400002 ± 0.00009	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-10.3400002	-10.3400002 ± 0.00009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
	0	0	•
VehDyn_AutoCatrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc		-	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc			
VehDyn_MaxOffset_HwDeg_M_f32	593.797974	593.797974	
VehDyn_MinOffset_HwDeg_M_f32	-1138.37402	-1138.37402	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9914389	13.9914389 ± 0.00009	-
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728	2644937728	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	Y
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	290.970001	290.970001 ± 0.1	✓

Test Step Call Trace ✓				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.50 (Repeat Count = 1)	•
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1

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Verbing, Auto-Certifotispe, M. strikeright. 19th. 22 Verbing, Auto-Certifotispe, M. strikeright. 19th. 22 Verbing, Auto-Certifotispe, M. strikering, 19th. 22 Verbing, Auto-Certifotispe, M. strikering, 19th. 22 Verbing, Auto-Certifotispe, M. strikering, 19th. 20 Verbing, Auto-Certifotispe, M. strikering, 19th. 20 Verbing, Auto-Certifotispe, M. strikering, 19th. 20 Verbing, Auto-Certifotispe, M. strikering, 19th. 22 Verbing, Auto-Certifotispe, M. strikering, 19th. 29th. 25 Verbing, Auto-Certifotispe, M. strikering, 19th. 29th. 29th. 29th. 20 Verbing, Auto-Certifotispe, M. strikering, 19th. 29th.	
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VerbDy_AutoCritrOeSpd_M_str_FillerInitialized_Crit_Igo	
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VerbDyn_AutoChrithSpd_M_str_Nirve_Minage_St2	
VerDyn_AutoChrithSpd_M_str_VerNe_Minapols_132 VerDyn_AutoChrithSpd_M_str_VerSpd_kph_132 VerDyn_AutoChrithSpd_M_str_FilterTring_HwNn_132 VerDyn_AutoChrithSpd_M_str_FilterTring_HwNn_132 VerDyn_AutoChrithSpd_M_str_FilterTring_HwNn_132 VerDyn_AutoChrithSpd_M_str_FilterTring_HwNn_132 VerDyn_AutoChrithSpd_M_str_FilterTring_HwS_ur16 VerDyn_AutoChrithSpd_M_str_FilterTring_HwS_ur16 VerDyn_AutoChrithSpd_M_str_FilterTring_HwS_ur16 VerDyn_AutoChrithSpd_M_str_FilterTring_HwS_ur18 VerDyn_AutoChrithSpd_M_str_FilterTring_HwS_ur18 VerDyn_AutoChrithSpd_M_str_FilterTring_HwS_ur18 VerDyn_AutoChrithSpd_M_str_FilterTring_HwS_ur18 VerDyn_AutoChrithSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritoSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritoSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritoSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritoSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritoSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritoSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritoSpd_M_str_FilterTring_HwNn_18 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_AutoChritoSpd_M_str_FilterTring_M_su16 VerDyn_FilterTring_M_su16 VerDy	
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VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterGffset_HwDeg_M_f32 -201.399994 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 598.789978 VehDyn_MinOffset_HwDeg_M_f32 -1131.68994 VehDyn_PinTrqSV_M_str.SV_Uls_f32 8.89999962 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000368000008 VehDyn_SLPHwAuth_Uls_M_f32 0.296999991 VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SrlHwagVidTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_Uls_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_SrlHwAgVidTimer_mS_u32 4891 k_SysKinRatio_MtrDeghWDeg_f32 53.2999992 k_TravelXCHwAuthority_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 <td></td>	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 -201.399994 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 598.789978 VehDyn_MinOffset_HwDeg_M_f32 -1131.68994 VehDyn_MinTqSV_M_str.SV_ulls_f32 8.89999962 VehDyn_PinTrqSV_M_str.K_Ulls_f32 0.000368000008 VehDyn_PinTrqSV_M_str.K_Ulls_f32 0.296999991 VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SriHwAgVidTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_Uls_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_SopkWDAuthority_Uls_f32 0 k_SylkinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 0.0717500001 <td></td>	
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VehDyn_MaxOffset_HwDeg_M_f32 598.789978 VehDyn_MinOffset_HwDeg_M_f32 -1131.68994 VehDyn_PinTrqSV_M_str.SV_Uls_f32 8.89999962 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000368000008 VehDyn_SLPHwAuth_Uls_M_f32 0.296999991 VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_Uls_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVIdTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
VehDyn_MinOffset_HwDeg_M_f32 -1131.68994 VehDyn_PinTrqSV_M_str.SV_Uls_f32 8.89999962 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000368000008 VehDyn_SLPHwAuth_Uls_M_f32 0.296999991 VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_Uls_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVIdTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
VehDyn_PinTrqSV_M_str.SV_Uls_f32 8.89999962 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000368000008 VehDyn_SLPHwAuth_Uls_M_f32 0.296999991 VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_Uls_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVIdTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000368000008 VehDyn_SLPHwAuth_UIs_M_f32 0.296999991 VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_UIs_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_UIs_f32 0 k_SrlHwAgVIdTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_UIs_f32 67.4899979 k_TravelXCHwAuthority_UIs_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
VehDyn_SLPHwAuth_Uls_M_f32 0.296999991 VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SrlHwAgVldTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_Uls_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVldTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
VehDyn_SLPHwPos_HwDeg_M_f32 -1117.18994 VehDyn_SrlHwAgVldTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_UIs_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_UIs_f32 0 k_SrlHwAgVldTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_UIs_f32 67.4899979 k_TravelXCHwAuthority_UIs_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
VehDyn_SrlHwAgVldTimer_mS_M_u32 2212175616 k_HiSpdVDAuthority_Uls_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVldTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
k_HiSpdVDAuthority_UIs_f32 1 k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_UIs_f32 0 k_SrlHwAgVldTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_UIs_f32 67.4899979 k_TravelXCHwAuthority_UIs_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
k_HwTqMgnThd_HwNm_f32 6.5 k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVldTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
k_LoSpdVDAuthority_Uls_f32 0 k_SrlHwAgVldTiThd_ms_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
k_SrlHwAgVldTiThd_mS_u32 4891 k_SysKinRatio_MtrDegpHwDeg_f32 53.2999992 k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
k_TravelXCDeadband_Uls_f32 67.4899979 k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
k_TravelXCHwAuthority_Uls_f32 0.0717500001 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
target_DtrmnElapsedTime_mS_u32_ElapsedTime 1568734208	
target_GetSystemTime_mS_u32_CurrentTime 800969984	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi 5477	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2212175616 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32	
target_Rte_inst_Ap_VenDyn_VenDyn_Peri_CcwEOT_HwDeg_f32 target_Rte_inst_Ap_VenDyn_VenDyn_Peri_CcwEOT_HwDeg_f32 target_VenDyn_Peri_CwEOT_HwDeg_f32	





target_VehDyn_Per1_HwTorque_HwNm_fctarget_VehDyn_Per1_MotorVelCRF_MtrRatarget_VehDyn_Per1_RelHwPos_HwDeg_ttarget_VehDyn_Per1_SensorlessAuthority_target_VehDyn_Per1_SensorlessHwPos_Htarget_VehDyn_Per1_SrlHwAgVId_Cnt_lgctarget_VehDyn_Per1_SrlHwAg_HwDeg_f3target_VehDyn_Per1_TorqueCmdCRF_Mtr	dpS_f32 f32 _Uls_f32 lwDeg_f32		
target_VehDyn_Per1_RelHwPos_HwDeg_t target_VehDyn_Per1_SensorlessAuthority_ target_VehDyn_Per1_SensorlessHwPos_H target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f3: target_VehDyn_Per1_TorqueCmdCRF_Mtr	732 _Uls_f32 lwDeg_f32		
target_VehDyn_Per1_SensorlessAuthority_ target_VehDyn_Per1_SensorlessHwPos_H target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f3 target_VehDyn_Per1_TorqueCmdCRF_Mtr	_Uls_f32 lwDeg_f32 :		
target_VehDyn_Per1_SensorlessHwPos_H target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f3: target_VehDyn_Per1_TorqueCmdCRF_Mtr	wDeg_f32		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f3: target_VehDyn_Per1_TorqueCmdCRF_Mtr	:		
target_VehDyn_Per1_SrlHwAg_HwDeg_f3: target_VehDyn_Per1_TorqueCmdCRF_Mtr			
target_VehDyn_Per1_TorqueCmdCRF_Mtr	2		
target_VehDyn_Per1_TorqueCmdCRF_Mtr			
target VehDyn Per1 VehicleSpeedValid (
876.961975			
	l=		
	•	Result	
		~	
		~	
3796740682	3796740682		
-6.48000002	-6.48000002 ± 0.000009	•	
-6.48000002	-6.48000002 ± 0.000009	~	
1	1	•	
1	1	→	
1	1	•	
0	0	-	
800969984	800969984	•	
3796740682	3796740682	→	
-6.48000002	-6.48000002 ± 0.000009	•	
-6.48000002	-6.48000002 ± 0.0009	✓	
0	0	-	
0	0	-	
0	0	•	
1	1	✓	
800969984	800969984	✓	
3796740682	3796740682	-	
-6.48000002	-6.48000002 ± 0.000009	✓	
-6.48000002	-6.48000002 ± 0.000009	-	
0	0	•	
1	1	_	
1	1	-	
1	1		
		•	
	target_VehDyn_Per1_VehicleSpeed_Kph_i -1150.18994 876.961975 -9.25 -158.710007 -6.48000002 1 -1117.18994 8.19999981 0 35.8199997 Actual Value 1 3796740682 -6.48000002 -6.48000002 1 1 1 0 800969984 3796740682 -6.48000002 0 0 0 1 800969984 3796740682 -6.48000002 0 1 1 800969984 3796740682 -6.48000002 0 0 0 0 0 1 800969984 3796740682 -6.48000002 0 0 0 0 1 800969984 3796740682 -6.48000002 0 0 0 0 0 1 800969984	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1150.18994 876.961975 -9.25 -1-58.710007 -6.48000002 1 -1117.18994 8.1999981 0 35.8199997 Actual Value Expected Value 1 1 3796740682 3796740682 -6.48000002 -6.48000002 ±0.000009 1 1 1 1 1 1 1 1 0 0 0 800969984 800969984 3796740682 3796740682 -6.48000002 -6.48000002 ±0.000009 -6.48000002 -6.48000002 ±0.000009 1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.51 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime

2015-09-15, 13:01:18+0530



Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.199997
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.1999969
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981 86.1999969
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	7034
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrDetSpd_M_str.Timer2Tillesii_IIIS_uT0	4004004656
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000744000019
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	66.1999969
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	50.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00054400001
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.800003
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	6.80000019
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	86.9000015
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	4004004656
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-444.170013
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	4.37999988e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000744000019
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	603.781982
/ehDyn_MinOffset_HwDeg_M_f32	-1125.00598
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000368999987
ehDyn_SLPHwAuth_Uls_M_f32	0.282000005
/ehDyn_SLPHwPos_HwDeg_M_f32	-1106.93005
/ehDyn_SrlHwAgVldTimer_mS_M_u32	2059598336
_HiSpdVDAuthority_Uls_f32	0
_HwTqMgnThd_HwNm_f32	0.00120000006
_LoSpdVDAuthority_UIs_f32	1
_SrlHwAgVIdTiThd_mS_u32	91986
x_SysKinRatio_MtrDegpHwDeg_f32	86.5 68.9300003
<pre>c_TraveIXCDeadband_Uls_f32 c_TraveIXCHwAuthority_Uls_f32</pre>	0.0729750022
rget_DtrmnElapsedTime_mS_u32_ElapsedTime	4195077888





VehDyn_AltoCntrDetSpd_M_str.Timer1_mS_u32	Name	Input Value			
target, Rel., Call, A.D., VehDyn, SystemTime, ClistSystemTime, Plan, 1922. CurrentTime target, Rel., Inst., Ap., VehDyn, VehDyn, Pert., Cox60T, HvDeg, 122 target, Rel., Inst., Ap., VehDyn, VehDyn, Pert., 1, McGrote, HwBru, 192 target, Rel., Inst., Ap., VehDyn, VehDyn, Pert., 1, McGrote, HwBru, 192 target, Rel., Inst., Ap., VehDyn, VehDyn, Pert., 1, McGrote, HwBru, 192 target, VehDyn, Pert., Cox60T, HwDeg, 182 target, VehDyn, Pert., Relvo, 192 target, VehDyn, Pert., McGrote, 192 target, VehDyn, Pert., VehInde, Speed, Vahl, 192 target, VehDyn,	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed	· ·			
singet, Ric, Inst. Ap. Verb/DW NehDyn, Pert. CAVEOT, HMDeg, 132 singet, Ric, Inst. Ap. Verb(DW NehDyn, Pert. LAVEOT, MNDeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. LAVEOT, MNDeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. HWTorque, HwNm. 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. HWTorque, HwNm. 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Sensorieses, Wndeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Sensorieses, Wndeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Sensorieses, Wndeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Sensorieses, Wndeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Sensorieses, Wndeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Sensorieses, Wndeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Sensorieses, Wndeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Sensorieses, Wndeg, 132 singet, Ric, Inst. Ap. Verb(DW) NehDyn, Pert. Verbicks Sened viale, Cnt. Igo singet, Weibyn, Pert. Sensorieses, Wndeg, 132 singet, Verb(Dyn, Pert. More) NebDyn, 132 singet, Verb(Dyn, Pert. Sensorieses, Wndeg, 132 singet, Verb(Dyn, Pert. More) NebDyn, 132 singet, Verb(Dyn, Pert. Sensorieses, Wndeg, 132					
target, Rie, Inst, Ap, Verlibyn Verbigh, Pert J. Hvibrorque_Hwhm. [32 target, Rie, Inst, Ap, Verbighy Verbigh, Pert J. Hvibrorque_Hwhm. [32 target, Rie, Inst, Ap, Verbighy, Verbigh, Pert J. Hvibrorque_Hwhm. [32 target, Rie, Inst, Ap, Verbighy Verbigh, Pert J. MotorVeiCRF, MrRadpS, [32 target, Rie, Inst, Ap, Verbighy Verbighy, Pert J. MotorVeiCRF, MrRadpS, [32 target, Rie, Inst, Ap, Verbighy Verbighy, Pert J. Sensoriesathwors, Us. [32 target, Verbighy, Pert J. MotorVeiCRF, MrRadpS, [32 target, Verbighy, Pert J. Sensoriesathwors, Us. [32 target, Verbigh					
singet_Nel_mat_Ao_VehDyn_Pert_Mortove_Newm_132 singet_Nel_mat_Ao_VehDyn_Pert_MortovelORF_MinRadpS_132 singet_Nel_mat_Ao_VehDyn_VehDyn_Pert_MortovelORF_MinRadpS_132 singet_VehDyn_Pert_MortovelORF_MinRadpS_132 singet_VehDyn_Pert_NeltovelORF_MinRadpS_132 singet_VehDyn_Pert_NeltovelORF_MinRadpS_132 singet_VehDyn_Pert_NeltovelORF_MinRadpS_132 singet_VehDyn_Pert_NeltovelORF_MinRadpS_132 singet_VehDyn_Pert_NeltovelORF_MinRadpS_132 singet_VehDyn_Pert_NeltovelORF_MinRadpS_132 singet_Nelto_Nelto_NeltovelORF_MinRadpS_132 singet_Nelto_Nelto_NeltovelORF_MinRadpS_132 singet_Nelto_N			* -		
target, Rie, Inst, Ap, Verbiny-Nerby, Pert J., Motor/edCRF, MirtadgS, 32 target, Rie, Inst, Ap, Verbiny-Nerby, Pert J., Sensoriesa-Authority, Uis, 132 target, Lebby, Pert J., MirtadgS, 32 target, Verbiny, Pert J., Sensoriesa-Authority, Uis, 132 target,					
larget_Rie_inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_[32] target_Rie_inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_[32] target_Rie_inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_[32] target_Rie_inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_[32] target_Rie_inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_[32] target_Rie_inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_[32] target_VehDyn_Pert_SensoriessAuthority_Uis_[32] target_VehDyn_Pert_SensoriessA					
target_Rib_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_Rib_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_Rib_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_Rib_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_Rib_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_Rib_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_Rib_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_R22 target_VehDyn_Pert_SensorlessAuthority_Uis_R22					
target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SitthwAg/MC_Cnt_Igo target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SitthwAg_HwDeg_d22 target_VehDyn_Pert_SitthwAg_HwDeg_d22 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_VehDeg_d22 target_VehDyn_Pert_Index_GehDeg_d22 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_VehDeg_d22 target_VehDyn_Pert_Index_GehDeg_d22 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_VehDeg_d22 target_VehDyn_Pert_VehDeg_d22 target_VehDyn_Pert_VehDyn_Pert_VehDeg_d22 target_VehDyn_Pert_VehDeg_d22 target_VehDyn_Pert_CwECDT_HwDeg_d32 value darget_VehDyn_Pert_VehDeg_d32 value darget_VehDyn_Pert_VehDeg_d32 value darget_VehDyn_Pert_WehDeg_d32 value darget_VehDyn_Pert_NehDeg_d32 value darget_VehDyn_Pert_NehDeg_d32 value darget_VehDyn_Pert_NehDeg_d32 value darget_VehDyn_Pert_RehIwDeg_d32 value darget_VehDyn_Pert_RehIwDeg_d32 value darget_VehDyn_Pert_SithwAg/Mg_Cnt_Igo_value darget_VehDyn_Pert_SithwAg/Mg_Cnt_Igo_value darget_VehDyn_Pert_SithwAg_Md_Cnt_Igo_value darget_VehDyn_Pert_SithwAg_Md_Cnt_Igo_value darget_VehDyn_Pert_SithwAg_Md_Cnt_Igo_value darget_VehDyn_Pert_SithwAg_Md_Cnt_Igo_value darget_VehDyn_Pert_VehIdeSpeed/daid_Cnt_Igo_value darget_VehDyn_Pert_VehIdeSpeed/daid_Cnt_Igo_value darget_VehDyn_Pert_SithwAg_Md_Und_Spd_Und_Cnt_Igo_value darget_VehDyn_Pert_VehIdeSpeed/daid_Cnt_Igo_value darget_VehDyn_AllochtDespd_M_str_Timert_m8_u32 downou4656 do					
target_Rei_nst_Ap_VehDyn_VehDyn_Perf_SifthwAg_HwDeg_132 target_Rei_nst_Ap_VehDyn_VehDyn_Perf_TorqueCmGCRF_MthVm_132 target_VehDyn_Perf_TorqueCmGCRF_MthVm_132 target_VehDyn_Perf_TorqueCmGCRF_MthVm_132 target_VehDyn_Perf_VehicleSpeed_VehDyn_VehDyn_VehDyn_VehDyn_VehicleSpeed_VehDyn_VehDyn_VehicleSpeed_VehDyn_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_VehDyn_VehicleSpeed_Vehi					
target_Re_inst_Ap_VehDyn-VehDyn_Per1_TorqueCmdcRF_MtrNm_f32 target_Re_inst_Ap_VehDyn-VehDyn_Per1_VehicleSpeed_Kph_f32 target_Re_inst_Ap_VehDyn-VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwcC0T_HwDeg_f32_value 114333005 target_VehDyn_Per1_CwcC0T_HwDeg_f32_value 4887.889019 target_VehDyn_Per1_McDrque_HwNm_f32_value 9.32999992 target_VehDyn_Per1_McDrque_HwNm_f32_value 444.170013 target_VehDyn_Per1_McDrque_HwNm_f32_value 444.170013 target_VehDyn_Per1_McDrque_HwNm_f32_value 444.170013 target_VehDyn_Per1_Shithwag_HwDeg_f32_value 444.170013 target_VehDyn_Per1_Shithwag_HwDeg_f32_value 444.170013 target_VehDyn_Per1_Shithwag_HwDeg_f32_value 449.00006 target_VehDyn_Per1_Shithwag_HwDeg_f32_value 449.00006 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 439.999992 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 439.999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 439.999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 439.999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 449.00006 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 449.00006 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 449.00006 target_VehDyn_AllochtrDespd_Mst_Filler_Fille_Spd_VehDyn_Per1_VehicleSpeed_Kph_f32_value 449.00006 target_VehDyn_AllochtrDespd_Mst_Filler_Fille_Spd_VehDyn_Per1_VehicleSpeed_Kph_f32_value 449.00006 target_VehDyn_AllochtrDespd_Mst_Filler_Fille_Spd_Ust_Filler_Fille_Coll_gc 0					
sizget_Re_Inst_Ap_VehDyn-VehDyn-Per1_VehicleSpeed_Kph_G2 target_VehDyn_Per1_VehicleSpeed_Kph_G2 target_VehDyn_Per1_VehicleSpeed_Kph_G2 target_VehDyn_Per1_VehicleSpeed_Kph_G2 target_VehDyn_Per1_VehicleSpeed_Kph_G2 target_VehDyn_Per1_VehicleSpeed_Kph_G2 target_VehDyn_Per1_VehDyn_G2 value sizget_VehDyn_Per1_VehDyn_G2 value sizget_VehDyn_Per1_Motorup_LehMyn_G2 value sizget_VehDyn_Per1_Motorup_LehMyn_G2 value					
target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CovCOT_HwDeg_152_value 1arget_VehDyn_Per1_CwCOT_HwDeg_152_value 1arget_VehDyn_Per1_WehDyn_F22_value 1arget_VehDyn_Per1_WehDyn_F22_value 1arget_VehDyn_Per1_Motorue_HwMn_f32_value 1arget_VehDyn_Per1_Motorue_HwMn_f32_value 1arget_VehDyn_Per1_Motorue_HwMn_f32_value 1arget_VehDyn_Per1_SriHwAgyd_Cnt_lgc_value 1arget_VehDyn_Per1_SriHwAgyd_Cnt_lgc_value 1arget_VehDyn_Per1_SriHwAgyd_Cnt_lgc_value 1arget_VehDyn_Per1_SriHwAgyd_Cnt_lgc_value 1106.33005 1arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc_value 1arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc_value 1arget_VehDyn_Per1_VehicleSpeed_Kph_f32_value 1arget_VehDyn_Per1_VehicleSpeed_Kph_f32_value 1arget_VehDyn_Per1_VehicleSpeed_Kph_f32_value 1arget_VehDyn_Per1_VehicleSpeed_Kph_f32_value 1arget_VehDyn_AllowHispdAutoCnt_Cnt_M_lgc 1 1 1 1 VehDyn_AllowHispdAutoCnt_Cnt_M_lgc 1 1 1 1 VehDyn_AllowHispdAutoCnt_Cnt_M_lgc 1 1 1 1 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 4004004656 4004004666 4004					
target_VehDyn_Per1_CowEOT_HwDeg_132.value					
target_VehDyn_Per1_CwEOT_HwDeg_132 value			32		
larget_VehDyn_Perl_HwTorque_HwNm_fl32.value					
target_VehDyn_Per1_MotorVelCRF_MtrRadps_f32.value					
Larget_VehDyn_Per1_RelHwPos_HwDeg_f32.value					
target_VehDyn_Perl_SriHwAg_HMDeg_f3z.value -1106.93005 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f3z.value -8.39999962 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f3z.value 1 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f3z.value 1 target_VehDyn_Perl_VehicleSpeed_Kph_f3z.value 36.9199982 Name Actual Value Expected Value Re VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timerl_mS_u32 4004004656 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittISV_HwDeg_str.SV_Uis_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittISV_HwDeg_str.SV_Uis_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.FilterIEnable_Cnl_igc 0 0 0 0 VehDyn_AutoCntrDetSpd_M_str.FilterIEnable_Cnl_igc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.FilterImitialized_Cnt_igc 1 1 1 1 VehDyn_AutoCntrDetSpd_M_str.FilterImitialized_Cnt_igc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.FilterImitialized_Cnt_igc 1 1 1 1 VehDyn_AutoCntrHiSpd_M_str.FilterImitialized_Cnt_igc 0 <td></td> <td></td> <td></td> <td></td>					
target_VehDyn_Per1_CriqueCmdCRF_MrNm_f32_value					
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -8.39999962 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 Name Actual Value Expected Value Revenue VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4004004656 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 444.170013 -444.170013±0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -444.170013 -444.170013±0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -444.170013 -444.170013±0.0009 VehDyn_AutoCntrHiSpd_		1			
target_VehDyn_Perl_VehicleSpeed_Kph_f32.value 36.9199982 Name Actual Value Expected Value Re VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4004004656 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4004004656 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilit3VS_HwDeg_str.SV_UIs_f32 444.170013 444.170013 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 569984000 569984000 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 444.170013 444.170013 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 444.170013 444.170013 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0					
Name	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962			
Name	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	1			
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2_msble_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2_msble_cnt_lgc 4004004656 4004004656 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0	target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.9199982			
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 569984000 569984000 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4004004656 4004004656 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4004	VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•	
VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 4040004656 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004656 4004004656 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 444.170013 -444.170013 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4004004656 4004004656 4004004656 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4004004656 4004004656 4004004656	VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4004004656	4004004656	✓	
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VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_initialize_Cnt_M_lgc 1	VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc 1	VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_MaxOffset_HwDeg_M_f32 887.869019 887.869019	VehDyn_MaxOffset_HwDeg_M_f32	887.869019	887.869019	~	
VehDyn_MinOffset_HwDeg_M_f32 -1143.93005 -1143.93005	VehDyn_MinOffset_HwDeg_M_f32	-1143.93005	-1143.93005	~	
VehDyn_PinTrqSV_M_str.SV_UIs_f32 13.8913918 13.8913927 ± 0.00009	VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8913918	13.8913927 ± 0.00009	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32 2059598336 2059598336	VehDyn_SrlHwAgVldTimer_mS_M_u32	2059598336	2059598336	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 1 ± 0.004			1 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value -342.680023 -342.679993 ± 0.1		-342.680023		✓	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rta Call VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 ChecknointReached	1	_



est Step 2.52 (Repeat Count = 1)	
lame	Input Value
rtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	350.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.5
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	56.5
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	27401
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
	0.000745999976
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	69
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12258
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000546000025
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1146.91003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976
	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.800003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.41999982e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1146.91003
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000745999976
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Errable_Cnt_lgc	1
ehDyn_AutoChtrLoSpd_M_str.Filter2Initialized_Cht_lgc	1
7 - 7	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	
ehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	608.773987
ehDyn_MinOffset_HwDeg_M_f32	-1118.32202
ehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000369999994
ehDyn_SLPHwAuth_Uls_M_f32	0.26699999
ehDyn_SLPHwPos_HwDeg_M_f32	-1096.67004
ehDyn SrlHwAgVldTimer mS M u32	800969984
HiSpdVDAuthority Uls f32	1
HwTgMgnThd HwNm f32	1.10000002
_ , ,	0
LoSpdVDAuthority_Uls_f32 SrlHwAgVldTiThd_mS_u32	0 12





Transport Chemistry Use 122	Name	Input Value		
Control Checkmann Control Control Checkmann Control Control Checkmann Control Control Checkmann Control Control Checkmann Chec		· ·		
Impact Demonstration m.m. Sul 22. Demonstration 2339833524				
Image: Record Act Worth Processor Time Control				
Larget Ric Carl An Verhiller Statemann Demontionseculation in 32 Ellapsect 4775051584				
bageR, Rec. Call Ap. Verhipur, System Time, GelSystem Time, PR. 042 Current Time bageR, Rec. baseR, Delta Ap. Verhipur, Verhipur, Pert CoeCOT, Harbog, 122 tanger, Rec. baseR, Verhipur, Pert LORGOT, Harbog, 122 tanger, Rec. baseR, Verhipur, Pert LORGOT, Harbog, 122 tanger, Rec. baseR, Verhipur, Pert LORGOT, Pert Ap. Verhipur, Verhipur, Pert Semonicas-Nathon, Ust. 152 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Ust. 152 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 202 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 202 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 202 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 202 tanger, Rec. baseR, Verhipur, Verhipur, Pert Jorgot, Pert Jorgot, Verhipur, Pert Jorgot, Pert Jorgot, Verhipur, Pert Jorgot, Pert Jorgot, Verhipur, Pert Jorgot, Verhipur, Pert Jorgot, Pert Jorgot, Verhipur, Pert Jorgot,	<u> </u>			
Imager, Rev. Tech. Performance Perfo				
Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Mortovor(EP, Minhagos, 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Mortovor(EP, Minhagos, 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Mortovor(EP, Minhagos, 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring), Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring, Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring, Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring, Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring, Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring, Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring, Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring, Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Senioring, Use 122 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Verbles Speed Kyb, ISI Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Verbles Speed Kyb, ISI Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Verbles Speed Kyb, ISI Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Seniorie		,		
target, Rein, Mar, Ay, Verb, Price H, Montrivo (CFF, Infrikados) 5/22 target, Rein, Mar, Ay, Verb, Price P, Reinkribes, Harbory, US, 12 target, Rein, Mar, Ay, Verb, Price P, Reinkribes, Harbory, US, 12 target, Rein, Mar, Ay, Verb, Price P, Reinkribes, Harbory, US, 12 target, Rein, Mar, Ay, Verb, Price P, Semaniess-Authority, US, 12 target, Rein, Mar, Ay, Verb, Price P, Price P, Semaniess-Authority, US, 12 target, Rein, Mar, Ay, Verb, Price P, Price P, Semaniess-Authority, US, 12 target, Rein, Mar, Ay, Verb, Price P, Price P, Semaniess-Authority, US, 12 target, Rein, Mar, Ay, Verb, Price P, Price P, Semaniess-Authority, US, 12 target, Rein, Mar, Ay, Verb, Price P, Price P, Semaniess-Authority, US, 12 target, Rein, Mar, Ay, Verb, Price P, Marthauth, Coll. Light, Rein, Mar, Ay, Verb, Price P, Verb, Price P, Semaniess-Authority, US, 12 target, Rein, Mar, Ay, Verb, Price P, Verb, Price P, Verb, Price P, Semaniess-Authority, US, 12 target, Rein, Mar, Ay, Verb, Price P, Ve				
Integer Ref. Integer New Proceedings Ref.				
target, Rein, R.A. & Verbin, WebDyn, Perl. SemonissAuthority, U.S. 52 target, Rein, R.A. & Verbin, WebDyn, Perl. SemonissAuthority, U.S. 52 target, Rein, R.A. & Verbin, WebDyn, Perl. SemonissAuthority, U.S. 52 target, Rein, R.A. & Verbin, WebDyn, Perl. SemonissAuthority, U.S. 52 target, Rein, R.A. & Verbin, WebDyn, Perl. SemonissAuthority, U.S. 52 target, Rein, R.A. & Verbin, WebDyn, Perl. SemonissAuthority, U.S. 52 target, Rein, R.A. & Verbin, WebDyn, Perl. Torque-GradCeff, Linkhin, 152 target, Rein, R.A. & Verbin, WebDyn, Perl. Torque-GradCeff, Linkhin, 152 target, Rein, R.A. & Verbin, WebDyn, Perl. Torque-GradCeff, Linkhin, 152 target, Rein, R.A. & Verbin, WebDyn, Perl. Torque-GradCeff, Linkhin, 152 target, Verbin, Perl. CoxeCOT, Hodge, 152-value target, Verbin, Perl. CoxeCOT, Hodge, 152-value target, Verbin, Perl. Morelay, Ferbin, 152-value target, Verbin, Perl. Self-May(NE), 22-value target, Verbin, Perl. Torque-GradCeff, Inflinkin, 152-value target, Verbin, Perl. Torque-GradCeff, Inflinkin, 152-value target, Verbin, Perl. Torque-GradCeff, Inflinkin, 152-value target, Verbin, Perl. VerbiceSpeerd, 152-value target, Verbin, Perl. Torque-GradCeff, Inflinkin, 152-value verbin, AudioCeff-May(NE), 152-value target, Verbin, 152-value verbin, 152				
Israge, Relins EA, D. VehDmy-NehDmy, Perf. Seriospicial-Nebb, 1400g, 152 Israge, Relins EA, D. VehDmy-NebDmy, Perf. Seriospicial-Nebb, 150 Israge, Relins EA, VehDmy-NebDmy, Perf. VehicleSpeed, Myn., 152 Israge, Relins EA, VehDmy-NebDmy, Perf. Relins EA, VehDmy-NebDmy, Perf. VehicleSpeed, Myn., 152 Israge, Relins EA, VehDmy-NebDmy, Perf. Relins EA, VehDmy				
target_Nebra_Pa_VehDny-Nebro_Perf_SehNebA_Pabo_12 target_Nebro_Pabo_Pabo_Pabo_Pabo_Pabo_Pabo_Pabo_Pab				
Israge_Relinet_AD_VehDyn_VehDyn_Pert_Sell-Nob_Neb0_RD2				
Image Res Inst As VehDyn-VehDyn Pert TorqueConCRF, Minhan 52				
Israge, Rie, Inst., Ap. VerDyn VerDyn, Pert. VerbickSpeed (Apl., 192 Israget, Verbiny, Pert., Center CT, Horber, D. 192 Israget, Verbiny, Pert., Horber, Verbiny, Pert., Verbiny, Pe				
target_Neht_Part_CoeffCT_Hobe_Diz_Nation target_VehtDyn_Pert_CehtCT_Hobe_Diz_Nation target_VehtDyn_Pert_CehtCT_Hobe_Diz_Nation target_VehtDyn_Pert_HotTrope_Holden_Diz_Nation target_VehtDyn_Pert_HotTrope_Holden_Diz_Nation target_VehtDyn_Pert_Holden_Holden_Diz_Nation target_VehtDyn_Pert_Holden_Holden_Diz_Nation target_VehtDyn_Pert_Holden_Dix_Nation target_VehtDyn_Pert_Nehtholog_Holden_Diz_Nation target_VehtDyn_Pert_Nehtholog_Holden_Diz_Nation target_VehtDyn_Pert_Nehtholog_Holden_Diz_Nation target_VehtDyn_Pert_Nehtholog_Holden_Diz_Nation target_VehtDyn_Pert_Nehtholog_Holden_Diz_Nation target_VehtDyn_Pert_Torquet_CondEn_More_More_More_More_More_More_More_More				
Integral_VehDyn_Pert_ComCOT_MoDeg_02_value				
target_VehDyn_Pert_Out_OFT_Hortong_Hixthm_132 value			∪∠ 	
IsrageL.VehDyn_Pert_NetroVerOFE_NREADS_012_value 159,09999 159,000 1				
Integred_VehDyn_Pert_MontroviaCRF_MitRadpS_182_value 1146.91003				
Israget_VehDyn_Pert_SrithwagNd_Cnt_lgc.value 1466.91003				
target_VehDyn_Perl_SirthwAg/MC_Ort_lgc_value				
Integet_VehDyn_Pert_SrithwAg_HwDeg_152.value 4,9000001 4,9000001 4,9000001 4,9000001 4,9000001 4,9000001 4,9000001 4,9000001 4,9000001 4,9000001 4,90000001 4,90000001 4,90000001 4,90000001 4,90000001 4,90000001 4,9000000000000000000000000000000000000	· - ·			
target_VehDyn_Pert_TorquacCmdCRF_Mirkm_f3z_value 0				
Isrget_VehDyn_Per1_VehickSpeed_Yph_G2.value 38.6699992 38.66999992 38.669999992 38.669				
Name				
Name				
VehDyn_AutoCntrDeISpd_M_str.Timer1_mS_u32				
VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32			•	Result
VehDyn_AutoCht/DetSpd_M_str.Timer2_mS_u32				~
VehDyn_AutoCntrDetSpd_M_str.ReitHwPosFittSV_HwDeg_str.SV_Uls_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.ReitHwPosFittSV_HwDeg_str.SV_Uls_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initalized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initalized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiltSV_HwDeg_str.SV_Uls_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiltSV_HwDeg_str.SV_Uls_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Initalized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initalized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 1				~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FilterEnable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.FilterInitalized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.FilterInitalized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.FilterInitalized_Cnt_lgc 0 0 VehDyn_AutoCntrHSpd_M_str.Timer1_mS_u32 3351443200 3351443200 VehDyn_AutoCntrHSpd_M_str.Timer1_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHSpd_M_str.FilterSenible_Cnt_lgc 0 0 0 VehDyn_AutoCntrHSpd_M_str.FilterInitalized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHSpd_M_str.FilterInitalized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHSpd_M_str.FilterInitalized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_ms_u32 3351443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initalized_Cnt_lgc 1 1				
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHSpd_M_str.Timer1_mS_u32 4211268631	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		1146.91003 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Pittalized_Cnt_lgc	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3351443200 3351443200 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3551443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lg			1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 3351443200 3551443200 3551443200 VehDyn_AutoCntrHiSpd_M_str.Filter2_mS_u32 4211268631 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.Filter2_mSu_32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.FilterPable_Cnt_lgc 1146,91003 1146,91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2_mS_u32 3351443200 3351443200 3351443200 3351443200 3531443200				
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VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3351443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_LoSpd_Learn_Cnt_M_lgc 0 0 VehDyn_LoSpd_Learn_Cnt_M_lgc 0 0 VehDyn_LoSpd_Learn_Cnt_M_lgc 0 0 VehDyn_LoSpd				-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 3351443200 3351443200 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Spd_M_str.Filter1Enable_Spd_M_str.Filter1Enable_Spd_M_str.Sv_Uls_f32 1146.91003 1146.91003 ±0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearn_Cnt_M_lgc 0 0 ✓ VehDyn_LiSpdLearn_Cnt_M_lgc 0 0 ✓ VehDyn_MinOffset_HwDeg_M_f32 1137.67004 1	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3351443200 3351443200 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1146.91003 1146.91003 ± 0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_LoSpd_Learn_Cnt_M_lgc 0 0 ✓ VehDyn_Initialize_Cnt_M_lgc 0 0 ✓ VehDyn_LoSpd_Learn_Cnt_M_lgc	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3351443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004		0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3351443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 VehDyn_MinOffset_HwDeg_M_f32 7.79365158 7.7936511 ± 0.000009 VehDyn_SrlHwAgVIdTimer_		0	0	~
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VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_HiSpdLearnt_Cnt_M_Igc 0 0 VehDyn_Initialize_Cnt_M_Igc 1 1 VehDyn_LoSpdLearnt_Cnt_M_Igc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 VehDyn_SriHwAgVIdTimer_mS_M_u32 800969984 800969984 VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004				~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 VehDyn_PinTrqSV_M_str.SV_Uls_f32 7.79365158 7.7936511 ± 0.000009 VehDyn_SriHwAgVIdTimer_mS_M_u32 800969984 800969984 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004				~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 VehDyn_PinTrqSV_M_str.SV_Uls_f32 7.79365158 7.7936511 ± 0.000009 VehDyn_SriHwAgVIdTimer_mS_M_u32 800969984 800969984 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004				~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 800969984 800969984 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004				✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 800969984 800969984 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 ✓ VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 ✓ VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ ✓ VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 ✓ VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc		1	
VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 ✓ VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc			
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 898.776001 898.776001 ✓ VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1± 0.004 ✓	VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32 898.776001 \$98.776001 VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1± 0.004	VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.79365158 7.7936511 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004	VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32 7.79365158 7.7936511 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_MaxOffset_HwDeg_M_f32	898.776001	898.776001	~
VehDyn_SrlHwAgVldTimer_mS_M_u32 800969984 800969984 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_MinOffset_HwDeg_M_f32	-1137.67004	-1137.67004	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓	VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79365158	7.7936511 ± 0.000009	✓
	VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984	800969984	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value 1148.48999 ± 0.1 ✓	target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1148.48999	1148.48999 ± 0.1	*



Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Fest Step 2.53 (Repeat Count = 1)	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.099998
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	79.0999985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	26195
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000547999982
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	400.799988
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.900002
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.8000002
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.9000015
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.46000013e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	613.765991		
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000371000002		
VehDyn_SLPHwAuth_Uls_M_f32	0.252000004		
VehDyn_SLPHwPos_HwDeg_M_f32	-1086.41003		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984		
k_HiSpdVDAuthority_UIs_f32 k_HwTqMgnThd_HwNm_f32	2.0999999		
k LoSpdVDAuthority Uls f32	1		
k SrlHwAgVldTiThd mS u32	45		
k_SysKinRatio_MtrDegpHwDeg_f32	45		
k_TravelXCDeadband_Uls_f32	71.8099976		
k_TravelXCHwAuthority_Uls_f32	0.075424999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344		
target_GetSystemTime_mS_u32_CurrentTime	1358028288		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime$			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRar target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1131.41003		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	909.682983		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.48999977		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.64001		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1086.41003 5.5999999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target VehDyn Per1 VehicleSpeed Valid_Gri_gc.value	45.3699989		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	- Result
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2160073393	2160073393	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1358028288	1358028288	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002 0	-1459.40002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2160073393	2160073393	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.0009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	<u> </u>
VehDyn_MaxOffset_HwDeg_M_f32			· · · · · · · · · · · · · · · · · · ·
VehDyn MinOffset HwDea M f32	613.765991	613.765991	
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	327.98999 3.19533825	327.98999 3.19533825 ± 0.000009	~

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Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1557.72998	-1557.72998 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

Fest Step 2.54 (Repeat Count = 1)	Innuit Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	2.0999999
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	199
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
'ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	88.199969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30000
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43128
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
'ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000549999997
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000880000007
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
	600.900024
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.800003
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996 85.800031
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.5000007e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn ForceCenterOffset HwDeg M f32	198.240005

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	618.757996		
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00037200001		
VehDyn_SLPHwAuth_Uls_M_f32	0.237000003		
VehDyn_SLPHwPos_HwDeg_M_f32	-1076.15002		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360		
k_HiSpdVDAuthority_UIs_f32	0.670000017		
k_HwTqMgnThd_HwNm_f32	3.0999999		
k_LoSpdVDAuthority_UIs_f32 k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031		
k TravelXCDeadband Uls f32	73.25		
k_TravelXCHwAuthority_UIs_f32	0.0766500011		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104		
target_GetSystemTime_mS_u32_CurrentTime	123		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	2644937728		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr	_ ·	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f31125.15002	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.56999969		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991		
target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1076.15002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.179993		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	J
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	123	123	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	•
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	459.209991	459.209991 ± 0.0009	-
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	123	123	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	V
VehDyn_Initialize_Cnt_M_lgc	0	0	· ·
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	461.380035	461.380005	
A CHIPAH TAIWOO HOEF TIMPER TAI TOS	TO 1.000000	TO 1.300003	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398	-1104.95398	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40158939	-5.40158939 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	260.969971	260.970001 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
ehDyn_AutoCntrDetSpd_wi_str.VehSpd_kph_f32	136.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	96.3000031
, = , = = = = = = = = = = = = = = = = =	21364
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	52716
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	109643620 1001.01001
	0.000752000022
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	1001.01001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000752000022
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	· ·
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000552000012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.800003
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.899994
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.8000002
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.9000015
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.54000001e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000752000022
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-623.75		
VehDyn_MinOffset_HwDeg_M_f32	-1098.27002		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000372999988		
VehDyn_SLPHwAuth_Uls_M_f32	0.222000003		
VehDyn_SLPHwPos_HwDeg_M_f32	-1065.89001 4077829376		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32	0		
k HwTqMgnThd HwNm f32	4.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	112		
k_SysKinRatio_MtrDegpHwDeg_f32	96.5		
k TravelXCDeadband Uls f32	74.6900024		
k TravelXCHwAuthority Uls f32	0.0778750032		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2894938880		
target_GetSystemTime_mS_u32_CurrentTime	5477		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2212175616		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	4077829376		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadp		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	600	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1118.89001	2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	931.497009		
target VehDyn Per1 HwTorque HwNm f32.value	-9.64999962		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.339996		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1001.01001		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1065.89001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.5750008		
Name	Actual Value	Expected Value	Result
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	Expected Value	Result
		•	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 1024	1 1024	~
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 1024 109643620	1 1024 109643620	~
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 1024 109643620 1001.01001	1 1024 109643620 1001.01001 ± 0.009	~
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 1024 109643620 1001.01001 1001.01001 0	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0	***
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1 1024 109643620 1001.01001 1001.01001	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1 1024 109643620 1001.01001 1001.01001 0 0	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 0	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 1024 109643620 1001.01001 1001.01001 0 0 1 1 5477	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 0 1 1 1 5477	0
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 1024 109643620 1001.01001 1001.01001 0 0 1 1 5477 109643620	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 0 1 1 1 5477 109643620	0
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 5477 109643620 1001.01001 ± 0.009	0
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc	1	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0	
VehDyn_AltoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc	1	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc	1	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc	1	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 0	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc	1 1024 109643620 1001.01001 1001.01001 0 0 1 1 1 5477 109643620 1001.01001 1001.01001 0 1 1 1 0 1 1 0 101.01001	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 0 1024	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1 1024 109643620 1001.01001 1001.01001 0 0 1 1 5477 109643620 1001.01001 0 1 1 1 0 1 0 1 1 0 101.01001 0 1 1 1 0 1024 109643620	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 0 1 1 15477 109643620 1001.01001 ± 0.009 0 1 1 1 1 0 1024 109643620	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	1 1024 109643620 1001.01001 1001.01001 0 0 1 1 15477 109643620 1001.01001 0 1 1 1 0 1001.01001 0 1 1 1 0 1024 109643620 1001.01001	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 0 1 1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 1 1 1 0 1024 109643620 1001.01001 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	1 1024 109643620 1001.01001 1001.01001 0 0 1 1 1 5477 109643620 1001.01001 0 1 1 1 0 1024 109643620 1001.01001 1001.01001 1001.01001	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 0 1 1 1 5477 109643620 1001.01001 ± 0.009 0 0 1 1 1 0 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 1024 109643620 1001.01001 1001.01001 0 0 1 1 15477 109643620 1001.01001 1001.01001 0 0 1 1 1 0 1024 109643620 1001.01001 1001.01001 1001.01001	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 0 1 1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 0 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 1024 109643620 1001.01001 1001.01001 0 0 1 1 1 5477 109643620 1001.01001 0 1 1 1 0 1024 109643620 1001.01001 1001.01001 1001.01001	1 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 0 1 1 1 5477 109643620 1001.01001 ± 0.009 0 0 1 1 1 0 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 0	





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	931.497009	931.497009	~
VehDyn_MinOffset_HwDeg_M_f32	-1118.89001	-1118.89001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.7935214	7.7935214 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376	4077829376	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	702.859985	702.859985 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
rmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
e Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
e_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn
hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
hDyn_AilownispaAutoCrit_Crit_wi_gc	457.100006
hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.100006
hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.099985
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh mS_u16	33198
· - · ·	7778
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
	164464918
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000753999979
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	-1312.29004
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000753999979
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.099985
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000554000027
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000883999979
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.600006
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.100006
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.099985
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	164464918
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.57999995e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004
hDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000753999979

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	628.742004		
VehDyn_MinOffset_HwDeg_M_f32	-1091.58606		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000373999996		
VehDyn_SLPHwAuth_Uls_M_f32	0.207000002		
VehDyn_SLPHwPos_HwDeg_M_f32	-1055.63		
VehDyn_SrlHwAgVIdTimer_mS_M_u32	1117112832		
k_HiSpdVDAuthority_UIs_f32	5.0999999		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVIdTiThd_mS_u32	1385		
k SysKinRatio MtrDegpHwDeg f32	32		
k_TravelXCDeadband_Uls_f32	76.1299973		
k_TraveIXCHwAuthority_Uls_f32	0.0790999979		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336		
target_GetSystemTime_mS_u32_CurrentTime	89		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	<u>f</u> 32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1112.63		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	942.403992		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.72999954		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.900024		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1312.29004		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1055.63		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	3.20000005 0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75.9100037		
Name	Actual Value	Expected Value	Resul
		·	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1	1 4290967295	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295 164464918	164464918	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1312.29004	-1312.29004 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	89	89	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918	164464918	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	89	89	•
VehDvn_AutoCntrl_oSnd_M_str_Timer2_mS_u32	164464918	164464918	

164464918

-1312.29004

-1312.29004

0

164464918

0

-1312.29004 ± 0.009

-1312.29004 ± 0.009

VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	942.403992	942.403992	✓
VehDyn_MinOffset_HwDeg_M_f32	-1112.63	-1112.63	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19520164	3.19520164 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

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ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.799988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.800003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.79999995
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.7999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000755999994
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000755999994
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	64
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43128
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30000
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000555999984
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	498.100006
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	156.600006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.599985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	1078320779
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	219286216

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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.61999989e-005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000755999994			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeq M f32	497.970001			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	1			
VehDyn MaxOffset HwDeg M f32	633.734009			
VehDyn MinOffset HwDeg M f32	-1084.90198			
VehDyn PinTrgSV M str.SV Uls f32	-5.4000001			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000375000003			
VehDyn_SLPHwAuth_Uls_M_f32	0.192000002			
VehDyn_SLPHwPos_HwDeg_M_f32	-1045.37			
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392			
k_HiSpdVDAuthority_UIs_f32	0.170000002			
k_HwTqMgnThd_HwNm_f32	6.099999			
k_LoSpdVDAuthority_UIs_f32	1			
k_SrlHwAgVldTiThd_mS_u32	744			
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992			
k_TravelXCDeadband_Uls_f32	77.5699997			
k_TraveIXCHwAuthority_UIs_f32	0.080325			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984			
target_GetSystemTime_mS_u32_CurrentTime	4178051584			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi				
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32		target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32			
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target VehDyn Per1 SrlHwAg HwDeg f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF MtrN			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1106.37			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	953.310974			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.81000042			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1089.29004			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1045.37			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	159.820007			
Name	Actual Value	Expected Value	Resul	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	•	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4178051584	4178051584		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216	219286216	•	
	1089.29004	1089.29004 ± 0.009		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32				
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1089.29004 0	0		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1089.29004 0 1	0		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1089.29004 0 1	0 1 1		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1089.29004 0 1	0	•	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-135.979065	-135.979004	~
VehDyn_MinOffset_HwDeg_M_f32	-1084.90198	-1084.90198	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40169239	-5.40169239 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392	1736795392	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	591.320068	591.320007 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1.
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.299988
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000758000009
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000758000009
/ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	600
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	52.2000008
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	6.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	38708
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2160073393
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	274107514
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000558
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1503.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00088800001
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	539.599976
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	166.100006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.5999999
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.099985
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	12258
/ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	36416

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.65999983e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000758000009		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	597.880005		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn MaxOffset HwDeg M f32	638.726013		
VehDyn_MinOffset_HwDeg_M_i32	-1078.21802		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000376000011		
VehDyn_SLPHwAuth_Uls_M_f32	0.177000001		
VehDyn SLPHwPos HwDeg M f32	-1035.10999		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	7.0999999		
k_LoSpdVDAuthority_Uls_f32	0.00899999961		
k_SrlHwAgVldTiThd_mS_u32	700		
k_SysKinRatio_MtrDegpHwDeg_f32	10.5		
k_TravelXCDeadband_Uls_f32	79.0100021		
k_TravelXCHwAuthority_Uls_f32	0.0815500021		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000		
target_GetSystemTime_mS_u32_CurrentTime	4077829376		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_venDyn_Per1_SensoriessHwPos_HwDeg_132 target_VenDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target VehDyn Per1 CcwEOT HwDeg f32.value	-1100.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	964.218018		
target VehDyn Per1 HwTorque HwNm f32.value	-9.89000034		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.700012		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1503.19995		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1035.10999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	357.25		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4077829376	4077829376	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514	274107514	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4077829376	4077829376	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514	274107514	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	638.726013	638.726013	~
VehDyn_MinOffset_HwDeg_M_f32	403.089966	403.089996	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59369564	7.59369612 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.00899999961	0.00899999961 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.59 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	123
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	42.2000008
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	12258
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1600
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000600000028
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1341.30005
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000192000007
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	34
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	126.599998

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VehDyn_Per1



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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809			
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.74000005e-005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1			
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	773.51001			
VehDyn_MaxOffset_HwDeg_M_f32	-897.75			
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-897.75 -1.60000002			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403000013			
VehDyn SLPHwAuth Uls M f32	0.284000009			
VehDyn SLPHwPos HwDeg M f32	-758.090027			
VehDyn SrlHwAgVldTimer mS M u32	1316564736			
k HiSpdVDAuthority Uls f32	0			
k HwTqMgnThd HwNm f32	1.5			
k_LoSpdVDAuthority_Uls_f32	1			
k_SrlHwAgVldTiThd_mS_u32	703			
k SysKinRatio MtrDegpHwDeg f32	10.1000004			
k TravelXCDeadband Uls f32	85.7799988			
k TravelXCHwAuthority Uls f32	0.114624999			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864			
target_GetSystemTime_mS_u32_CurrentTime	2942063360			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse				
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir	1316564736			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3:			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32		target VehDyn Per1 HwTorque HwNm f32		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_			
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_H			
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0			
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed Kph f			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-931.090027			
target VehDyn Per1 CwEOT HwDeg f32.value	1258.70703			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.2000005			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-758.090027			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999			
target VehDyn Per1 VehicleSpeedValid Cnt lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.070007			
Name	Actual Value	Expected Value	Resul	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	Resu	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2942063360	2942063360		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
	2760420809	2760420809		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32		3382212733		
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3382212733 1600	3382212733 1600 ± 0.009		
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uis_132 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uis_132	1341.30005	1341.30005 ± 0.009		
VOIDYII MUUUHII IIOPU IVI SII.REIMWEUSEIILOV MWDEG SII.OV UIS 132	1.041.0000	1041.00000 I 0.000		

1341.30005

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

1341.30005 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-82.5930176	-82.5930023	~
VehDyn_MinOffset_HwDeg_M_f32	-897.75	-897.75	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59865212	-1.59865212 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1242.97009	1242.96997 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Nama	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	0
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000615999976
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	0
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000224000003
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0

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VehDyn_Per1



Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994			
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006			
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19.2999992			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.3999996			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277 1024			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1			
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	1 813.445984			
VehDyn_MinOffset_HwDeg_M_f32	-844.278015			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410999986			
VehDyn SLPHwAuth Uls M f32	0.419999987			
VehDyn SLPHwPos HwDeg M f32	-676.01001			
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432			
k_HiSpdVDAuthority_Uls_f32	0			
k_HwTqMgnThd_HwNm_f32	2.0999999			
k_LoSpdVDAuthority_Uls_f32	1			
k_SrlHwAgVldTiThd_mS_u32	456			
k_SysKinRatio_MtrDegpHwDeg_f32	52.5			
k_TravelXCDeadband_Uls_f32	77.5400009			
k_TravelXCHwAuthority_Uls_f32		0.124425001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008			
target_GetSystemTime_mS_u32_CurrentTime	2127166208			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTtarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime				
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32			
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	lwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	532		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-881.01001			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.7999995			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	88.8000031 0			
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	1			
target VehDyn Per1 SrlHwAg HwDeg f32.value	-676.01001			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.4099998			
Name	Actual Value	Expected Value	Resu	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrlliSpd_M_str.Timer1_mS_u32	1024	1024		
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4290967295	4290967295		

4290967295

4290967295

 $VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32$



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	813.445984	813.445984	~
VehDyn_MinOffset_HwDeg_M_f32	-844.278015	-844.278015	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50100636	1.50100636 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-897.609985	-897.609985 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	•

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	662.900024
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.899994
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.9000001
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.9000015
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43190
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000763999997
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498.200012
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000563999987
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	662.400024		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.5		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.78000002e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000763999997		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCottrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	653.702026		
VehDyn MinOffset HwDeg M f32	-1058.16602		
VehDyn PinTrqSV M str.SV Uls f32	-14.8000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000379000005		
VehDyn_SLPHwAuth_Uls_M_f32	0.131999999		
VehDyn_SLPHwPos_HwDeg_M_f32	-1004.33002		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	0.119999997		
k_LoSpdVDAuthority_UIs_f32	0.467000008		
k_SrlHwAgVldTiThd_mS_u32	703		
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992		
k TravelXCDeadband Uls f32	83.3300018		
k_TravelXCHwAuthority_Uls_f32	0.085225001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1975593216		
target_GetSystemTime_mS_u32_CurrentTime	2059598336		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	Ti 1117112832		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	e 1759885568		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1081.32996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	996.939026		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.15999985		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.09998		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1385.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1004.33002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	260 100006		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	369.100006		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	

VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2059598336	2059598336	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5	448.5 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	653.702026	653.702026	✓
VehDyn_MinOffset_HwDeg_M_f32	304.070068	304.070007	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7963152	-14.7963152 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568	1759885568	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.131999999	0.131999999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.62 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1.
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.099998
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000766000012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000766000012
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	539
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	18
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	96
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	21364
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	52716
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	1078320779
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	2345892860
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000896000012

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.5 206.399994		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.4000015		
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	30404		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.81999996e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000766000012		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	658.69397		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1051.48206 17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000380000012		
VehDyn_SLPHwAuth_Uls_M_f32	0.116999999		
VehDyn_SLPHwPos_HwDeg_M_f32	-994.070007		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	5.44999981		
k_LoSpdVDAuthority_UIs_f32	0.870000005		
k_SrlHwAgVldTiThd_mS_u32	9000		
k_SysKinRatio_MtrDegpHwDeg_f32	54.5		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	84.7699966		
target DtrmnElapsedTime mS u32 ElapsedTime	0.0864500031 910116864		
target GetSystemTime mS u32 CurrentTime	800969984		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_		
target Rte Inst Ap VehDyn.VehDyn Perl SrlHwAgVld Cnt Igc	target_VehDyn_Per1_SensorlessHwPos_Hearget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	1100g_102	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1075.06995		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1007.84601		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.73999977		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.699997		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	-1036.69995 1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-994.070007		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.100006		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1.1	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	800969984	800969984	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	800969984	800969984	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	658.69397	658.69397	✓
VehDyn_MinOffset_HwDeg_M_f32	-38.3699951	-38.3699989	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7910023	17.7910042 ± 0.00009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	-

Test Step 2.63 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.800003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.79999995
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000768000027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000768000027
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835

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VehDyn_Per1



Name	Input Value				
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995				
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006				
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995				
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000898000028				
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0				
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1				
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1				
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0				
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	138.699997				
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.100006				
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.70000005				
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985				
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412				
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277				
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886				
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.8599999e-005				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000768000027				
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1				
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0				
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0				
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0				
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0				
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005				
VehDyn_HiSpdLearnt_Cnt_M_lgc	1				
VehDyn_Initialize_Cnt_M_lgc	0				
VehDyn_LoSpdLearnt_Cnt_M_lgc	1				
VehDyn_MaxOffset_HwDeg_M_f32	663.685974				
VehDyn_MinOffset_HwDeg_M_f32	-1044.79797				
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7				
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000380999991				
VehDyn_SLPHwAuth_Uls_M_f32	0.101999998				
VehDyn_SLPHwPos_HwDeg_M_f32	-983.809998				
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832				
k_HiSpdVDAuthority_Uls_f32	0				
k_HwTqMgnThd_HwNm_f32	6.32000017				
k_LoSpdVDAuthority_Uls_f32	0.566999972				
k_SrlHwAgVIdTiThd_mS_u32	1000				
k_SysKinRatio_MtrDegpHwDeg_f32	85.099985				
k_TraveIXCDeadband_Uls_f32	86.2099991 0.0876749977				
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344				
target GetSystemTime mS u32 CurrentTime	2659241984				
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT					
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime					
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32				
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm f32				
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRadp				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U				
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_Hw				
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target VehDyn Per1 SrlHwAgVld Cnt Igc	<u></u>			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m f32			
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32				
target VehDyn Per1 CcwEOT HwDeg f32.value	-1068.81006				
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1018.75299				
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.32000017				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.5999985				
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1307.94995				
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0				
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-983.809998				
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1				
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.5				
Name	Actual Value	Expected Value	Result		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~		

2553156835

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1018.75299	1018.75299	~
VehDyn_MinOffset_HwDeg_M_f32	-1068.81006	-1068.81006	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99973488	-6.99973488 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.101999998	0.101999998 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	324.139954	324.140015 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.64 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.9000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.899994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.9000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.9000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000769999984
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000769999984
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00089999985
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	156.699997 2.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.7000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.8999984e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000769999984
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	668.677979
VehDyn_MinOffset_HwDeg_M_f32	-1038.11401
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000381999998
VehDyn_SLPHwAuth_Uls_M_f32	0.0869999975
VehDyn_SLPHwPos_HwDeg_M_f32	-973.549988
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_UIs_f32	
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_UIs_f32	0.44999988 20045
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	96
k TravelXCDeadband Uls f32	87.6500015
k_TravelXCHwAuthority_Uls_f32	0.088899999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4178051584
target GetSystemTime mS u32 CurrentTime	2942063360
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
$target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc$	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1062.55005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1029.66003
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.9000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5
target Veh Dun Derf Dellin Des UniDes 100 vehie	-893.640015
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	0 -973.549988
target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0 -973.549988 5.5999999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	0 -973.549988





Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1029.66003	1029.66003	~
VehDyn_MinOffset_HwDeg_M_f32	-1062.55005	-1062.55005	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.29498005	6.29498005 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.65 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	616.409973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	539.119995
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.020004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.11999989
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	41.0200005
, - ,	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrl.oSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrl.oSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.94000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-673.669983
VehDyn_MinOffset_HwDeg_M_f32	-1031.43005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000383000006
VehDyn_SLPHwAuth_Uls_M_f32	0.0719999969
VehDyn_SLPHwPos_HwDeg_M_f32	-963.289978
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_UIs_f32	0.200000003
k HwTgMgnThd HwNm f32	1.5
k LoSpdVDAuthority Uls f32	0.370000005
	951
k_SrlHwAgVldTiThd_mS_u32	
k_SysKinRatio_MtrDegpHwDeg_f32	97.0999985
k_TravelXCDeadband_Uls_f32	89.0899963
k_TraveIXCHwAuthority_UIs_f32	0.090125002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000
target_GetSystemTime_mS_u32_CurrentTime	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target Rte Inst Ap VehDvn,VehDvn Per1 VehicleSneed Knh f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32_value	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1056.29004
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1056.29004 1040.56702
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1056.29004 1040.56702 -7.48000002
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1056.29004 1040.56702 -7.48000002 -835.599976
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1056.29004 1040.56702 -7.48000002 -835.599976 616.409973
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1056.29004 1040.56702 -7.48000002 -835.599976





Name	Input Value		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.5800018		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4077829376	4077829376	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514	274107514	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4077829376	4077829376	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514	274107514	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-673.669983	-673.669983	✓
VehDyn_MinOffset_HwDeg_M_f32	-1031.43005	-1031.43005	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59424639	7.59424639 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.370000005	0.370000005 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

Test Step Call Trace	Test Step Call Trace			V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.66 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	126.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1

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Manual Control Contr		
Valtory Autorion Step July at Peter Intellation Cort. 19 Valtory Autorion Step July at Peter Intellation Cort. 19 Valtory Autorion Step July at Peter Intellation Cort. 19 Valtory Autorion Step July at Peter Intellation Cort. 19 Valtory Autorion Step July at Peter Intellation Cort. 19 Valtory Autorion Step July at Terror and Step July 20 Valtory Autorion Step July at Terror and Step July 20 Valtory Autorion Step July at Terror and Step July 20 Valtory Autorion Step July at Terror and Step July 20 Valtory Autorion Step July at Terror and Step July 20 Valtory Autorion Step July 30 Valtory Autorion Step	Name	Input Value
ValDum Associalised of M. et Riedrichieses Circl. (by 1975). ValDum Associalised M. et Riedrichieses Circl. (by 1975). ValDum Associalised M. et Riedrichieses ValDum D. 22 ValDum Associalised M. et Riedrichieses ValDum D. 23 ValDum Associalised M. et Riedrichieses ValDum D. 25 ValDum	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
Validay Autochesis M. Jer Vilher (James S. 12) Validay Autochesis M. Jer Vilher (James J. 12) Validay Autochesis M. Jer Vilh	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VARIDAY NATIONALISES M. SECHMENSE VERSES (12) VARIDAY NATIONALISES M. SECHMENSE	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
Vestage Auto-Contribute M. of Contribute Vestage	VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
MARCHENISTER M. PROMINERON MARCHENISTER MARCHENISTER MARCHENISTER M. PROMINERON MARCHENISTER M. PROMINERON M	VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
VALOP, MACORINSO, M. M. TIRROTTOMIN, M. S. 1989 VALOP, MACORINSO, M. M. TIRROTTOMIN, G. 02 VALOP, MACORINSO, M. M. TIRROTTOMIN, HORDE, M. S. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, HORDE, M. S. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, HORDE, M. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, HORDE, M. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, HORDE, M. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, HORDE, M. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, HORDE, M. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, HORDE, M. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, M. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, M. V. U. 132 VALOP, MACORINSO, M. M. TIRROTTOMIN, M. 133 VALOP, MACORINSO, M. M. TIRROTTOMIN, M. 134 VALOP, MACORINSO, M. M. TIRROTTOMIN, M. 134 VALOP, MACORINSO, M. M. TIRROTTOMI	VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
Veolory, Nuclonishippi, M. M. Trimer Thresh, m. 9.18 Veolory, Nuclonishippi, M. M. Trimer Thresh, m. 9.18 Veolory, Nuclonishippi, M. M. Trimer Thresh, 0.02 Veolory, Nuclonishippi, M. M. Trimer Thresh, Veology, and X. Ulu, m. 2 Veolory, Nuclonishippi, M. M. Trimer Thresh, Veology, and X. Ulu, m. 2 Veolory, Nucloniship M. M. Trimer Thresh, Veology, and X. Ulu, m. 2 Veology, Nuclonishippi, M. M. Trimer Thresh, Veology, and X. Ulu, m. 2 Veology, Nucloniship M. M. Trimer Thresh, 0.02	VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	54.0999985
Velicing Austonian Sept M. P. Internal Confession 1004	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
Verbilly Authorities (Verby L. Mr. Terror (Line), 1322 Verbilly Authorities (Verby L. Mr. Terror (Line),	VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	31368
VanDrum, Austoninshipp, M. att Parkerhorshitt V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitt V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitt V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitt V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitz V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitz V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitz V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitz V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitz V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitz V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitz V. Hadog, att SV, Us, 152 VanDrum, Austoninshipp, M. att Parkerhorshitz V. Hadog, att SV, Us, 152 VanDrum, Austoninshitz V. Hadog, a		0
Verbin AutoContrologic M. an Enterhandentit SV Horbeg, at Vol. Is. 22 Verbin, AutoContrologic M. an Enterhandentit SV Horbeg, at Vol. Is. 22 Verbin, AutoContrologic M. an Enterhandentit SV Horbeg, at Vol. Is. 22 Verbin, AutoContrologic M. an Enterhandentit SV Horbeg, at Vol. Is. 20 Verbin, AutoContrologic M. an Enterhanden Cont. Ige 0 Verbin, AutoContrologic M. and Enterhandent Cont. Ige 0 Verbin, AutoContrologic M. and Enterhandent Cont. Ige 1 Verbin, AutoContrologic M. and Enterhandent Cont. Ige 2 Verbin, AutoContrologic M. and Enterhandent Inc. Ige 3 Verbin, AutoContrologic M. and Enterhandent Inc. I		1024
Verbiny AutoChristipo M. staffethroad (ISV Minos) and Volta (ISV		
VelOpin AutoChristOpin M. art Review CarlistOry Horizong Let K. Us. 102 VelOpin AutoChristOpin M. art Review CarlistOry Horizong Let K. Us. 102 VelOpin AutoChristOpin M. art Review Carlistor, Upo VelOpin AutoChristOpin M. art Review Carlistor, VelOpin M. art		
Verbilly, AuthOrtHolps, M. and Filter February C. (**). 192 Verbilly, AuthOrtHolps, M. and Filter February C. (**). 192 Verbilly, AuthOrtHolps, M. and Filter February C. (**). 192 Verbilly, AuthOrtHolps, M. and Filter February C. (**). 192 Verbilly, AuthOrtHolps, M. and Filter February C. (**). 192 Verbilly, AuthOrtHolps, M. and February C. (**). 192 Verbilly, AuthOrtHolps, M. and February C. (**). 192 Verbilly, AuthOrtHolps, M. and February T. (**). 193 Verbilly, AuthOrtHolps, M. and February T. (**). 1		
Verbing, AutoCarles Roy, M. as Filher Entails, Crit. 1gc Varborn, AutoCarles Roy, M. as Filher Intellisation, Crit. 1gc Varborn, AutoCarles Roy, M. as Filher Intellisation, Crit. 1gc Varborn, AutoCarles Roy, M. as Filher Intellisation, Crit. 1gc Varborn, AutoCarles Roy, M. as Filher Intellisation, Crit. 1gc Varborn, AutoCarles Roy, M. as Varborn, April 22 Varborn, AutoCarles Roy, M. as Varborn, April 22 Varborn, AutoCarles Roy, M. as Varborn, Arborn, 1gc Varborn, AutoCarles Roy, M. as Varborn, Arborn, 1gc Varborn, AutoCarles Roy, M. as Transformer, 2gc Varborn, AutoCarles Roy, M. as Transformer, 2gc Varborn, AutoCarles Roy, M. as Plansformer, 2gc Varborn		
Vehity AutoChrist(SQ) M. priferationated of tigo 0		
Verbing AutoContrision M. Ser Filter Initiations Circlips		
VenDry, AutoContisting M, set FreeZinitational Crit. Up: VenDry, AutoContisting M, set VenDr		
Verbin AutoCint LoSe M. st MeVel MicRagos 52 28.00003		
Verbiny Austorntissed M. Ser Filtrin Fahler S2		
Verbity AutoCritic Sold M. pt Filler Princy Membry 122		
VenDry AusContin SSed M ST Time Threaty ms u16		
Verliby_nuclociticsSed_M_ST_ment_Prise_n_ms_u16		
VerbDy_AutContro.Spd_M_str_Timer_Times_M_su16		
VerbOyn, AutoCentcoSpd. M. str. FreeT, mS, us2 VerbOyn, AutoCentcoSpd. M. str. ReithNPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithNPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithNPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithNPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithNPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithNPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithPosFR18V J-NuDog, str. SV, Uis_132 VerbOyn, AutoCentcoSpd. M. str. ReithPosFR18V J-NuDog, uis_14V J-NuDog		
VerbDyn_AutOctint (Sopt_M_str_Timerz_mS_suz_str_Vuls_fi		
VerbDyn_AutoCnitLoSpd_M_str-ReitWeboSittISV_HNDeg_str_X_Uis_T22		
VehDyn_AutoCnitLoSpd_M_siz_RehitwPosifizISV_HwDeg_str_V_Us_T32	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCnttLoSpd_M_str_RetHWPoSRIBLSV_HWDeg_str_SV_LIS_T2 0.00079000002 VehDyn_AutoCnttLoSpd_M_str_RetHWPoSRIBLSV_HWDeg_str_K_UIS_T2 0.00079000002 VehDyn_AutoCnttLoSpd_M_str_Biter_Enable_Cnt_Ugc 1 VehDyn_AutoCnttLoSpd_M_str_Biter_Enable_Cnt_Ugc 0 VehDyn_AutoCnttLoSpd_M_str_Biter_Enable_Cnt_Ugc 0 VehDyn_ForceCenterClibeL_HWDeg_M_f32 1000.67999 VehDyn_ForceCenterClibeL_HWDeg_M_f32 1000.67999 VehDyn_HSpd_Learnt_Cnt_M_lgc 0 VehDyn_HSpd_Learnt_Cnt_M_lgc 0 VehDyn_HSpd_Learnt_Cnt_M_lgc 0 VehDyn_Morfisel_HWDeg_M_f32 15 5000004 VehDyn_HSpd_Learnt_Cnt_M_lgc 0 VehDyn_HSpd_Learnt_Cnt_M_lgc 0 VehDyn_HSpd_Learnt_Cnt_M_lgc 15 5000004 VehDyn_HSpd_Learnt_Cnt_M_lgc 15 5000004 VehDyn_HSpd_HWDeg_M_f32 15 5000004 VehDyn_HSpd_HWDeg_M_f12 15 5000004 VehDyn_HSpd_HWDeg_M_f12 15 5000004 VehDyn_HSpd_HWDeg_M_f12 15 50000029 VehDyn_HShiwAgVdTime_HB_f12 16 5000029 VehDyn_HShiwAgVdTime_HB_f12 0 0 50000029 VehDyn_HShiwAgVdTi		-1014.73999
VenDry_AutoCriticSpd M_str. Filer Enable_Cri. Igs	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.2999998e-005
VehDyn_AutoCnitt.oSpd_M_str_FilterEnable_Cnt_lgo	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str-Filer2Enable_Cnt_lgc	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrLoSpd_M_str_Filter*Initialized_Cnt_loge	VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoContr.dSpd_M_str FilterZinitialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterCifiset_HNDeg_M_ft32 -1000.67999 VehDyn_Hispd.eaml_Cnt_M_lgc 0 VehDyn_Lispd.eaml_Cnt_M_lgc 1 VehDyn_MosOffset_HNDeg_M_ft32 15.6000004 VehDyn_MosDest_HNDeg_M_ft32 16.7000008 VehDyn_MosTest_HNDeg_M_ft32 16.7000008 VehDyn_FinTrqSV_M_str K_yU_sif_st 1.5 VehDyn_FinTrqSV_M_str K_yU_sif_st 0.000391999987 VehDyn_SLPHAVD_Us_M_str K_yU_sif_st 0.000391999987 VehDyn_SLPHAVD_Us_M_ft 0.000391999987 VehDyn_SLPHAVD_Us_M_ft 0.000391999987 VehDyn_SLPHAVD_Us_M_ft 0.000391999987 VehDyn_SLPHAVD_Us_M_ft 0.000391999987 VehDyn_SLPHAVD_Us_M_ft 0.0003919999987 VehDyn_SLPHAVD_Us_M_ft 0.0003919999987 VehDyn_SLPHAVD_Us_M_ft 0.000391999998 VehDyn_SLPHAVD_Us_M_ft 0.000391999999 VeLSpdVDAuthority_Us_ft_st 3 VehDyn_SLPHAVD_Us_M_ft 0.000391999999 VeLSpdVDAUthority_Us_ft_st 3	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_ForceCenterCfiset_HWDeg_M_f32 -1000.67999 VehDyn_HSbQ_carmL_Cnt_M_gc 0 VehDyn_HSbQ_carmL_Cnt_M_gc 1 VehDyn_LSbQ_carmL_Cnt_M_gc 0 VehDyn_LSbQ_carmL_Cnt_M_lgc 0 VehDyn_LSbQ_carmL_Cnt_M_lgc 0 VehDyn_Mxx0ffset_HWDeg_M_f32 15.6000004 VehDyn_Mincfibet_HWDeg_M_f32 16.7000008 VehDyn_SET_W_str_SVWstr_SV_Usl_SQ_ 1.5 VehDyn_SET_W_str_SVWstr_SV_Usl_SQ_ 1.5 VehDyn_SET_Wastr_SVWstr_SV_Usl_SQ_ 0.0070000029 VehDyn_SET_Wastr_SVWst	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_HiSpdLeamt_Cnt_Mige	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_Hisbalce_Ort_M_Igc	VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_igc	VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_LoSpdLeamt_Cnl_M_lgc 0 VehDyn_MaxOffset_Hwbeg_M_f32 15,6000004 VehDyn_Minoffset_Hwbeg_M_f32 15,6000008 VehDyn_PinTrqSV_M_str.SV_Uls_f32 1,5 VehDyn_PinTrqSV_M_str.SV_Uls_f32 0.000391999987 VehDyn_Str.Brwath_Uls_M_f32 0.000391999987 VehDyn_St.PhwPos_HwDeg_M_f32 -870,950012 VehDyn_St.PhwPos_HwDeg_M_f32 -870,950012 VehDyn_St.PhwPos_HwDeg_M_f32 -870,950012 VehDyn_St.PhwPos_HwDeg_M_f32 -870,950012 VehDyn_St.PhwAgyIntTimer_mS_M_u32 2659241984 K_HSpd7DAMtority_Uls_f32 1 K_LoSpd7DAMtority_Uls_f32 0 K_SHIWAGWITTIM_mS_u32 4891 K_SHIWAGWITTIM_mS_u32 86.5 K_TravelXCDeadband_Uls_f32 -97.1100006 K_TravelXCDeadband_Uls_f32 0.101149999 karget_GetSystemTime_m_S_u32_CurrentTime 2659241984 target_Rel_Call_Ap_VehDyn_SystemTime_GetSystemTime_m_S_u32_CurrentTime 2659241984 target_Rel_Call_Ap_VehDyn_Nerb_m_Pert_CowEOT_HwDeg_f32 target_VehDyn_Pert_MortovelCr_mWDeg_f32 target_Rel_inst_Ap_VehDyn_NehDyn_Pert_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Pert_M	VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_LoSpdLeamt_Cnt_M_lgc		1
VehDyn_MinOffset_HwDeg_M_f32		0
VehDyn_MinOffset_HwDeg_M_/32 16,7000008 VehDyn_PinTrigSV_M_str.K_Uis_/32 1,5 VehDyn_PinTrigSV_M_str.K_Uis_/32 0,000391999987 VehDyn_SLPHwAuth_Uis_M_/32 0,00070000029 VehDyn_SLPHwAuth_Uis_M_/32 0,00070000029 VehDyn_SLPHwAuth_Uis_M_/32 2,699241984 VehDyn_Str.WayJuffirer_M_M_/32 2,699241984 k_HiSpdVDAuthority_Uis_/32 1 k_LebydVDAuthority_Uis_/32 0 k_LospdVDAuthority_Uis_/32 0 k_LospdVDAuthority_Uis_/32 4891 k_SyskinRato_MirDepHwDeg_/32 86.5 k_SyskinRato_MirDepHwDeg_/32 86.5 k_TravekDCeadband_Uis_/132 0.101149999 k_TravekDeadband_Uis_/132 0.101149999 k_arget_Rel_Call_Ap_VehDyn_SystemTime 2659241984 target_Rel_Call_Ap_VehDyn_SystemTime_DimmElapsedTime_mS_u32_ElapsedTime 2127766208 target_Rel_Call_Ap_VehDyn_SystemTime_Develop_Rel_Mover_Dis_/2 2127766208 target_Rel_Call_Ap_VehDyn_SystemTime_Develop_Rel_Mover_Dis_/2 212766208 target_Rel_Call_Ap_VehDyn_VehDyn_Perl_CwEOT_HwDeg_/32 212766208 target_Rel_Inst_Ap_VehDyn_VehDyn_Perl_NewTyn_Rel_Marabs_/32		15.6000004
VehDyn PinTrqSV_M_str.SV_Uls_132		
VehDyn_PinTrqSV_M_str.K_Uls_fi32 0.00031999987 VehDyn_SLPHWAuth_Uls_M_fi32 0.9070000029 VehDyn_SLPHWPoS_HW0eg_M_fi32 470.950012 VehDyn_SriHwAgVidTimer_mS_M_u32 2659241984 k_HiSpdVDAuthority_Uls_fi32 1 k_HiSpdVDAuthority_Uls_fi32 1 k_LoSpdVDAuthority_Uls_fi32 0 k_SriHwAgVidTiTrd_mS_us3 4891 k_SyskiRinatio_MtrDegpHw0eg_fi32 86.5 k_TraveIXCHwAuthority_Uls_fi32 97.1100006 k_TraveIXCHwAuthority_Uls_fi32 0.101149999 target_DtmnElapsedTime_mS_u32_ElapsedTime 2659241984 target_Relo_Gal_Ap_VehDyn_SystemTime_DutrnElapsedTime_mS_u32_ElapsedTime 21766208 target_Rel_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 217766208 target_Rel_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 21766208 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_CowEOT_HwDeg_fi32 target_VehDyn_Pert_CowEOT_HwDeg_fi32 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_LowEOT_HwDeg_fi32 target_VehDyn_Pert_CowEOT_HwDeg_fi32 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_MotorVelCRF_MtrRadpS_fi32 target_VehDyn_Pert_Nehron_Fi1_SithwAgVid_Cnt_log target_VehDyn_Pert_RelHwPos_HwDeg_fi32 target		
VehDyn_SLPHw2b, Mbge_M_f32 0.0970000029 VehDyn_SLPHwPos_HwBe_M_f32 4870.950012 VehDyn_SIPHwRos_HwBe_M_f32 2659241984 k_HiSpdVDAuthority_Uls_f32 1 k_HiSpdVDAuthority_Uls_f32 3.0999999 k_LoSpdVDAuthority_Uls_f32 4891 k_LoSpdVDAuthority_Uls_f32 4891 k_SirlhwAg/IdTIThd_mS_u32 4891 k_SyskinRatio_MtrDegpHwDeg_f32 86.5 k_TraveIXCDeadband_Uls_f32 97.1100006 k_TraveIXCHAWthority_Uls_f32 0.101149999 target_DtmnElapsedTime_mS_u32_ElapsedTime 2659241984 target_Rel_Call_Ap_vehDyn_SystemTime_DetripmElapsedTime_mS_u32_ElapsedTime 217766208 target_Rel_Call_Ap_vehDyn_SystemTime_DetripmElapsedTime_mS_u32_ElapsedTime 217766208 target_Rel_call_Ap_vehDyn_SystemTime_DetripmElapsedTime_mS_u32_ElapsedTime 217766208 target_Rel_nst_Ap_vehDyn_VehDyn_Per1_CowEOT_HwDeg_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32 target_Rel_nst_Ap_vehDyn_VehDyn_Per1_HwDrag_rel_HwMm_f32 target_VehDyn_Per1_HwTorque_HwMm_f32 target_Rel_nst_Ap_vehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_HwTorque_HwMm_f32 target_Rel_inst_Ap_vehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 <td< td=""><td></td><td></td></td<>		
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k_ospdVDAuthority_Uls_f32 0 k_sthwAgVdTTThd_ms_u32 4891 k_sysKinRatio_MtrDegpHwDeg_f32 86.5 k_TravetXCDeadband_Uls_f32 97.1100006 k_TravetXCDeadband_Uls_f32 0.101149999 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2659241984 target_CetSystemTime_mS_u32_CurrentTime 2127166208 target_DtrmnElapsedTime_mS_u32_CurrentTime 2127166208 target_Rte_call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 2075080192 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2659241984 target_Rte_lnst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_WhOrque_HwMm_f32 target_VehDyn_Per1_Whorque_HwMm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessA		
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k_TravelXCDeadband_Uls_f32 97.1100006 k_TravelXCHwAuthority_Uls_f32 0.101149999 target_DtrmnElapsedTime_mS_u32_CurrentTime 2659241984 target_GetSystemTime_mS_u32_CurrentTime 2127166208 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT2 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2659241984 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per		
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target_DtrmnElapsedTime_mS_u32_ElapsedTime 2659241984 target_GetSystemTime_mS_u32_CurrentTime 2127166208 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2659241984 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1138.72998		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Veh		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_LwEoT_HwDeg_f32 target_VehDyn_Per1_LwEoT_HwDeg_f32.value target_VehDyn_Per1_LwEoT_HwDeg_f32.value 1138.72998		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1138.72998	target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_LwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1138.72998	$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	2075080192
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value 1138.72998	$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	2659241984
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value 1138.72998	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value 1138.72998	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1138.72998	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1138.72998	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value 1138.72998		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1138.72998		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -999.950012 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1138.72998		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -999.950012 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1138.72998		, · - · · ·
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1138.72998		
target_veribyti_reri_mwtorque_mwiviii_isz.value 8.53999996		
	target_verityri_reri_mw.rurque_mw.niii_i32.value	0.30333330





Name	Input Value		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.899994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-870.950012		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.3600006		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004	15.6000004	~
VehDyn_MinOffset_HwDeg_M_f32	16.7000008	16.7000008	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50272346	1.50272346 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0970000029	0.0970000029 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.67 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000612000003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000216
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.98000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Iqc	0
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	803.461975
VehDyn_MinOffset_HwDeg_M_f32	-857.645996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000409
VehDyn_SLPHwAuth_Uls_M_f32	0.386000007
VehDyn_SLPHwPos_HwDeg_M_f32	-696.530029
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763
k_HiSpdVDAuthority_Uls_f32	0
k HwTqMgnThd HwNm f32	0.00120000006
k LoSpdVDAuthority Uls f32	1
_ '	90
k_SrlHwAgVIdTiThd_mS_u32	
k_SysKinRatio_MtrDegpHwDeg_f32	96.099985
k_TravelXCDeadband_Uls_f32	79.5999985
k_TravelXCHwAuthority_Uls_f32	0.121974997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	1759885568
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	89763
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
0	, _ , _ ,





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Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSp	peed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-893.530029		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1324.14905		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.4000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-696.530029		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.7700005		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	_
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1759885568	1759885568	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1600	1600 ± 0.009	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1600	1600 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4004004656	4004004656	·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1600	1600 ± 0.009	<u> </u>
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1	1	<u> </u>
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	→
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	<u> </u>
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1600	1600 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	_
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	
	1	1	·
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc	1	1	
	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1324.14905	1324.14905	
VehDyn_MaxOffset_HwDeg_M_f32			
VehDyn_BinTresV_M_etr_SV_Ulo_f22	-893.530029	-893.530029	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39637709 89763	-5.39637709 ± 0.000009 89763	
VehDyn_SrlHwAgVldTimer_mS_M_u32	09/03	09/03	

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

902.210022

1 ± 0.004

902.210022 ± 0.1

Test Step 2.68 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784

 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-136.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	138.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126.199997
	12
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	l'
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	100.099998
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	186.5
, , , , , , , , , , , , , , , , , , , ,	14.1000004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.0599997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn ForceCenterEnabled Cnt M lgc	1
VehDyn ForceCenterOffset HwDeg M f32	1596.97998
	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	688.645996
VehDyn_MinOffset_HwDeg_M_f32	-1011.37799
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn PinTrqSV M str.K Uls f32	0.000386
VehDyn_SLPHwAuth_Uls_M_f32	0.0270000007
VehDyn SLPHwPos HwDeg M f32	
	-932.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.560000002
k SrlHwAgVldTiThd mS u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k TravelXCDeadband Uls f32	93.4100037
k_TraveIXCHwAuthority_UIs_f32	0.0938000008
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2212175616
target_GetSystemTime_mS_u32_CurrentTime	3437401088
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
	magesbyii_i or _orinin/ig_imbog_loz





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleS	target_VehDyn_Per1_VehicleSpeed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1037.51001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1073.28796		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.01000023		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-136.300003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-932.51001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.540009		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	·
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	-
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1073.28796	1073.28796	✓
VehDyn_MinOffset_HwDeg_M_f32	-1037.51001	-1037.51001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89422607	8.89422703 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.69 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.699997	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.699997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.7000008	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.6999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000780000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	136
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	40437
	13059
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000568000018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	448.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.800003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.09999991e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	693.638
VehDyn_MinOffset_HwDeg_M_f32	-1004.69397
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000387000007
VehDyn_SLPHwAuth_Uls_M_f32	0.0120000001
VehDyn SLPHwPos HwDeg M f32	-922.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k HiSpdVDAuthority UIs f32	1
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0.76880002
k SrlHwAgVldTiThd mS u32	456
k SysKinRatio MtrDegpHwDeg f32	63.2999992
k_TravelXCDeadband_UIs_f32	94.8499985
k_TraveIXCHwAuthority_Uls_f32	0.095025003
target DtrmnElapsedTime mS u32 ElapsedTime	2059598336
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVI	d_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_h	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCm	dCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpe	edValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpe	ed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1031.25		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1084.19495		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.839996		
target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-922.25		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.450012		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	693.638	693.638	~
VehDyn_MinOffset_HwDeg_M_f32	-586.410034	-586.409973	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8915749	13.8915749 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1055.39001	1055.39001 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.70 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.09998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.4000015
	7034
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCotrl liSed_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00059599998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000184000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.66000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000807999982
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn ForceCenterEnabled Cnt M lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	763.526001
VehDyn_MinOffset_HwDeg_M_f32	-911.117981
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000400999998
VehDyn_SLPHwAuth_Uls_M_f32	0.25
VehDyn_SLPHwPos_HwDeg_M_f32	-778.609985
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	87.8399963
k_TravelXCHwAuthority_Uls_f32	0.112175003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	309385728
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
govoorpvon.byn_r or r_owe_or_1 iwdeg_loz	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCR	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	Authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorlessh	HwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld	I_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd	ICRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpee		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	ed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-943.609985		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1236.89294		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.09998		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-339.980011		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-778.609985		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target VehDyn Per1 VehicleSpeed Kph f32.value	120.349998		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	309385728	309385728	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0	~
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn HiSpdLearnt Cnt M Igc	1	1	~
VehDyn Initialize Cnt M Igc	1	1	
VehDyn LoSpdLearnt Cnt M Iqc	1	1	
, = 1 = = = = = = = = = = = = = = = = =	1236.89294	1236.89294	
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32			
	-943.609985 7.50373665	-943.609985 7.50373665 ± 0.000000	
,			
			~
VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	7.59373665 1050692864 0.25 -1118.58997	7.59373665 ± 0.000009 1050892864 0.25 ± 0.004 -1118.58997 ± 0.1	

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.71 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
$Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)$	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	

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Name	Input Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCotrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.099985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.1999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str_PelHwPosFilt1SV/_HwDog_str_SV/_Llls_f32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	0.00057199999 710.950012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012 2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.513271006-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	88.5
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.18000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn ForceCenterEnabled Cnt M lgc	0
VehDyn ForceCenterErlabled_Crit_M_igc VehDyn ForceCenterOffset HwDeq M f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	-1300.41003
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeq M f32	703.622009
VehDyn_MinOffset_HwDeg_M_f32	-991.325989
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00388999993
VehDyn SLPHwAuth Uls M f32	0.046000001
VehDyn SLPHwPos HwDeg M f32	-901.72998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0
k SrlHwAgVldTiThd mS u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985
k TravelXCDeadband Uls f32	97.7300034
k TravelXCHwAuthority Uls f32	0.0974749997
target DtrmnElapsedTime mS u32 ElapsedTime	569984000
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_BtffffiliapsedTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwI	Deg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_H	wDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAu	uthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHv	vPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_	Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_Hw	Deg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdC	:RF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeed	dValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	d_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1018.72998			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1106.00903			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999			
target VehDyn Per1 RelHwPos HwDeg f32.value	710.950012			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-901.72998			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.449997			
Name	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	rtoduit	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	710.950012	710.950012 ± 0.0009		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009		
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
	0	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568		
	4004004656	4004004656		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32				
VehDyn_AutoCotrl oSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	- J	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	<u> </u>	
VehDyn_Initialize_Cnt_M_lgc	1	1	•	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	_	
VehDyn_MaxOffset_HwDeg_M_f32	1106.00903	1106.00903	•	
VehDyn_MinOffset_HwDeg_M_f32	-1018.72998	-1018.72998	<u> </u>	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39943027	-5.3994298 ± 0.000009		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0460000001	0.0460000001 ± 0.004		
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-190.779968	-190.779999 ± 0.1	→	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Rte Call VehDvn Per1 CP1 ChecknointReached	1	9

Test Step 2.72 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

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Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	94.8000031
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.80000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00078599999
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-714.090027
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000574000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.5
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	8.39999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	5.22000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	708.614014
VehDyn_MinOffset_HwDeg_M_f32	-984.642029
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000390000001
/ehDyn_SLPHwAuth_Uls_M_f32	0.063000001
VehDyn_SLPHwPos_HwDeg_M_f32	-891.469971
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0.879999995
K_HISPUVDAUTIONIY_DIS_132 K_HWTgMgnThd_HwNm_f32	1.1000002
_ , ,	1.10000002
k_LoSpdVDAuthority_UIs_f32	
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	97.099985
k_TravelXCDeadband_Uls_f32	99.1699982
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	0.0987000018 1720406272





Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	1662097408		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_	8039943680		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752	324746752	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f33		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm 1		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	rget_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I	HwDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lg		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target VehDyn Per1 SrlHwAg HwDeg f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mi		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target VehDyn Per1 CcwEOT HwDeg f32.value	-1012.46997		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1116.91602		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-835.400024		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-891.469971		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.6539993		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lqc	1	1	Kesuit
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	·
	4211268631	4211268631	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	-714.090027	-714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		-714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027 0	-714.090027 ± 0.0009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc			
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408 4211268631	1662097408 4211268631	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-714.090027	-714.090027 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027 -714.090027	-714.090027 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	-714.090027 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc		1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	•		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	_
VehDyn_MaxOffset_HwDeg_M_f32	1116.91602	1116.91602	
VehDyn_MinOffset_HwDeg_M_f32	-1012.46997	-1012.46997	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59978819	7.59978867 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	486.409973	486.410004 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_



Test Step 2.73 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	44.5999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.600006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.6000004
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.400015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00057600002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5 0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	44.5600014
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.410004
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	4.25
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	12.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.26000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	713.606018
VehDyn_MinOffset_HwDeg_M_f32	-977.958008
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391000009
VehDyn_SLPHwAuth_Uls_M_f32	0.0799999982
VehDyn_SLPHwPos_HwDeg_M_f32	-881.210022
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	2.099999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32	10.3000002





	1			
Name	Input Value			
k_TravelXCDeadband_Uls_f32	08.1399994 0.000040005			
k_TravelXCHwAuthority_Uls_f32	0.0999249965			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1077829376 1117112832			
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTim				
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime				
target_Rte_Call_Ap_veriDyn_System fille_GetSystem fille_fills_us2_current fille target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	arget VehDyn Per1 HwTorque HwNm f32			
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32		arget_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U			
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target VehDyn Per1 SensorlessHwPos Hv			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	<u> </u>		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1006.21002			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1127.823			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.02999973			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	110.5			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-881.210022			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.410004			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	V	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	*	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	V	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrliSpd_M_str.Filier2imitalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	-	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	-	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	V	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0	-	
VonDyn_tatoonareoopa_tv_oar: liter trimaanzea_ont_igo	1	1	-	
VehDvn AutoCntrLoSpd M str.Filter2Initialized Cnt Iac			*	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lqc	1	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc			~	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 1 713.606018	1 1 713.606018	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1 713.606018 -977.958008	1 1 713.606018 -977.958008	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	1 1 713.606018 -977.958008 -1.59640932	1 1 713.606018 -977.958008 -1.59640932 ± 0.000009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Fest Step 2.74 (Repeat Count = 1)	Input Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
kte_Inst_Ap_VehDyn /ehDyn AllowHiSpdAutoCntr Cnt M lgc	target_Rte_Inst_Ap_VehDyn
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	126.099998
	236.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
/ehDyn_AutoChtrDetSpd_M_str.ChtrWindow HwDeg f32	32.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	31368
/ehDyn_AutoCntrDetSpd_M_str.Timer2+mesit_ms_u10	2138628886
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized Cnt_lgc	0
/ehDyn_AutoChtrDetSpd_M_str.Filter2Initialized_Cht_lgc	0
/ehDyn_AutoChtrDetSpd_M_str.MtrVel_MtrRadpS_f32	124
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	8
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.099985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	1024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000577999977
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.199997
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.2999998e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	Ō
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
ehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	15.6000004
ehDyn_MinOffset_HwDeg_M_f32	16.7000008
ehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391999987
ehDyn_SLPHwAuth_Uls_M_f32	0.0970000029
ehDyn_SLPHwPos_HwDeg_M_f32	-870.950012
/ehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
_HiSpdVDAuthority_Uls_f32	1
HwTqMgnThd_HwNm_f32	3.0999999
 _LoSpdVDAuthority_UIs_f32	0
	4891





Name	Input Value		
k_SysKinRatio_MtrDegpHwDeg_f32	86.5		
k_TravelXCDeadband_Uls_f32	97.1100006		
k_TravelXCHwAuthority_Uls_f32	0.101149999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984		
target_GetSystemTime_mS_u32_CurrentTime	2127166208		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	2075080192		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	1509_102	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_Kte_Irist_Ap_venDyn_VenDyn_Pen_venIcteSpeed_Kpn_isz target_VehDyn_Pen1_CcwEOT_HwDeg_f32.value	-999.950012	<i>1</i> 2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.72998		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.53999996		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.899994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-870.950012		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.3600006	1	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1014.73999	-1014.73999 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	0	0	
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt.lqc	1	1	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
VehDyn Initialize Cnt M Igc	1	1	
	0	0	
VehDyn_LoSpdLearnt_Cnt_M_lgc		1	•
	45 6000004	15.6000004	· · · · · · · · · · · · · · · · · · ·
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	16.7000008	16.7000008	
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	16.7000008 1.50272346	16.7000008 1.50272346 ± 0.000009	
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	16.7000008 1.50272346 2659241984	16.7000008 1.50272346 ± 0.000009 2659241984	
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	16.7000008 1.50272346	16.7000008 1.50272346 ± 0.000009	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.75 (Repeat Count = 1)	Input Value
ame trmnFlansedTime_mS_u32/FlansedTime)	Input Value
trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime mS u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_GetSystemTime_inS_usz_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.599998
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.600006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791999977
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791999977
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.1999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.199997
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000579999993
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000151999993
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	124.300003
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.199997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2999992
ehDyn_AutoChtrLoSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	39056
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
enDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoChtrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_i32	-204.299900 5.33999992e-005
, _ ,	
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988 0.000791999977
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
ehDyn_HiSpdLearnt_Cnt_M_lgc	1

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-723.590027		
VehDyn_MinOffset_HwDeg_M_f32	-964.590027		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002 0.000392999995		
VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32	0.000392999995		
VehDyn_SLPHwPos_HwDeg_M_f32	-860.690002		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	4.0999999		
k LoSpdVDAuthority Uls f32	1		
k SrlHwAgVldTiThd mS u32	91986		
k SysKinRatio MtrDegpHwDeg f32	42		
k TravelXCDeadband Uls f32	96.0800018		
k_TravelXCHwAuthority_Uls_f32	0.102375001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360		
target_GetSystemTime_mS_u32_CurrentTime	4243378688		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	954802432		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	2942063360		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -993.690002	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1149.63696		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.05000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.299988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-284.299988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-860.690002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value			
	7.80000019		
	7.80000019 1		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	1	Expected Value	Result
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	1 52.7400017	Expected Value	Result
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 52.7400017 Actual Value	•	Result
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	1 52.7400017 Actual Value 0	0	~
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 52.7400017 Actual Value 0 4243378688	0 4243378688	~
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 52.7400017 Actual Value 0 4243378688 54822322	0 4243378688 54822322	•
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 52.7400017 Actual Value 0 4243378688 54822322 -284.299988	0 4243378688 54822322 -284.299988 ± 0.0009	•
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 52.7400017 Actual Value 0 4243378688 54822322 -284.299988 -284.299988	0 4243378688 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1 52.7400017 Actual Value 0 4243378688 54822322 -284.299988 -284.299988 0	0 4243378688 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 0	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1 52.7400017 Actual Value 0 4243378688 54822322 -284.299988 -284.299988 0	0 4243378688 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 0	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 52.7400017 Actual Value 0 4243378688 54822322 -284.299988 -284.299988 0	0 4243378688 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 0 1	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 52.7400017 Actual Value 0 4243378688 54822322 -284.299988 -284.299988 0 0	0 4243378688 54822322 -284.299988 ± 0.0009 0 0 1 1 1 4294967295 54822322	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1	0 4243378688 54822322 -284.299988 ± 0.0009 0 0 1 1 4294967295 54822322 -284.299988 ± 0.0009	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1	0 4243378688 54822322 -284.299988 ± 0.0009 0 0 1 1 4294967295 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	0 4243378688 54822322 -284.299988 ± 0.0009 0 0 1 1 1 4294967295 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 1	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	0 4243378688 54822322 -284.299988 ± 0.0009 0 0 1 1 4294967295 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 1	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	0 4243378688 54822322 -284.299988 ± 0.0009 0 0 1 1 4294967295 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 1 1 1 1	
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target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_Au	1	0 4243378688 54822322 -284.299988 ± 0.0009 0 0 1 1 4294967295 54822322 -284.299988 ± 0.0009 1 1 1 0 2345892860 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 1 1 0 0 1 1 1 1 0 1 0 1 1 1 0 1 0 1	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	1	0 4243378688 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 0 1 1 4294967295 54822322 -284.299988 ± 0.0009 1 1 1 0 2345892860 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1	0 4243378688 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 0 1 1 4294967295 54822322 -284.299988 ± 0.0009 1 1 1 0 2345892860 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1	
target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	1	0 4243378688 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 0 1 1 4294967295 54822322 -284.299988 ± 0.0009 1 1 1 0 2345892860 54822322 -284.299988 ± 0.0009 -284.299988 ± 0.0009 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	616.470032	616.469971 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
tetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	456.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.5
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.5
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000793999992
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.199997
ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	5.0999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	255468
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000582000008
	1259.78003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000155999995
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2999992
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.37999986e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn ForceCenterEnabled Cnt M Igc	0
ehDyn ForceCenterOffset HwDeq M f32	-800.859985

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	728.58197		
VehDyn_MinOffset_HwDeg_M_f32	-957.906006		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000394000002		
VehDyn_SLPHwAuth_Uls_M_f32	0.130999997		
VehDyn_SLPHwPos_HwDeg_M_f32	-850.429993		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	5.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	12 4000004		
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	95.0500031		
k_TraveIXCHwAuthority_Uls_f32	0.103600003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832		
target GetSystemTime mS u32 CurrentTime	1050692864		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32		
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRadg	oS f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	ls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNi	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cn	t_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-987.429993		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1160.54395		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.56000042		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	800.200012		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.78003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-850.429993		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005		
towart VohDun Dard VohialaCanadValid Cat Ira value	0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	128 830006		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.839996	Expected Value	Pocult
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	128.839996 Actual Value	Expected Value	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	128.839996 Actual Value 1	1	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	128.839996 Actual Value 1 2553156835	1 2553156835	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	128.839996 Actual Value 1 2553156835 109643620	1 2553156835 109643620	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	128.839996 Actual Value 1 2553156835 109643620 1259.78003	1 2553156835 109643620 1259.78003 ± 0.009	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003 1	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009	\(\frac{1}{2}\)
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003 1 1	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003 1 1 0	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003 1 1 0 0 1050692864	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 0 0	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1 1 0 0 1050692864 109643620	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 0 0 0 1050692864 109643620	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1 1 0 0 1050692864 109643620 1259.78003	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 0 0 1050692864 109643620 1259.78003 ± 0.009	
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003 1 1 0 0 1050692864 109643620 1259.78003 0 0 1 1 1050692864 109643620 1259.78003 0 0 1 1 1050692864 109643620 1259.78003 1259.78003 0 0 1 1 0 0 1 1 0 0 1	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 0 0 1050692864 109643620 1259.78003 ± 0.009 0 0 1 1050692864 109643620 1259.78003 ± 0.009 0 1 1 1050692864 109643620 1259.78003 ± 0.009 0 1 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1259.78003 ± 0.009	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1259.78003 1 1 0 0 1050692864 109643620 1259.78003 0 0 1 1 1050692864 109643620 1259.78003 0 0 1 1 1050692864 109643620 1259.78003 0 0 1 1 1050692864 109643620 1259.78003 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 0 0 1050692864 109643620 1259.78003 ± 0.009 0 0 1 1 1050692864 109643620 1259.78003 ± 0.009 0 0 1 1 1050692864 109643620 1259.78003 ± 0.009 0 1 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 1 1 1 0 0	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-987.429993	-987.429993	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7902985	-14.7902975 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.130999997	0.130999997 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	409.350037	409.350006 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
ehDyn_AutoCntrDetSpd_w_str.CntrWindow HwDeg f32	0
- ,	0
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
, = , = = = = = =	0
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2.51327106e-006 -1600
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006 0
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0





Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-2840		
	-1440.10999		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006		
VehDyn SLPHwAuth Uls M f32	0		
VehDyn_SLPHwPos_HwDeg_M_f32	-1600		
VehDyn SrlHwAgVldTimer mS M u32	0		
k_HiSpdVDAuthority_Uls_f32	0		
k HwTqMgnThd HwNm f32	0		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	1		
k_TravelXCDeadband_Uls_f32	0		
k_TraveIXCHwAuthority_Uls_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	ī 0		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	***	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3:	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360 -10		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-10		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1600		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-8.80000019		
target VehDyn Per1 VehicleSpeedValid Cnt lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	- toodii
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0		
10.12)17 tate of the pa_11ct. 1		0	✓
VehDvn AutoCntrDetSpd M str.Timer2 mS u32		0	Ž
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 -1600	0 -1600 ± 0.009	*
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0 -1600 -1600	0 -1600 ± 0.009 -1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0 -1600 -1600 0	0 -1600 ± 0.009 -1600 ± 0.009 0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 -1600 -1600 0	0 -1600 ± 0.009 -1600 ± 0.009 0	• •
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0 -1600 -1600 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0	*
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 -1600 -1600 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 -1600 -1600 0 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 -1600 -1600 0 0 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 -1600 -1600 0 0 0 0 0 0 -1600	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.009	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0	0	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.009 0	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.009 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0 0	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 -1600 0 0 0 0 0 0 0 0 0 0 0	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 -1600 0 0 0 0 0 0 0 0 -1600 0 0 0 0 0 0 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 0 0 -1600 ± 0.009 0 0 -1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Sp_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \\ -1600 \pm 0.009 \\ -1600 \pm 0.009 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 -1600 -1600 0 0 0 0 0 0 0 -1600 -1600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	

2015-09-15, 13:01:18+0530



Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✓
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
htmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehbyn_Ailownisparatiochti_cht_M_igc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32	20
enbyn_AutoCntrDetSpd_w_str.CntrWindow HwDeg f32	100
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
enDyn_AutoCntrDetSpd_w_str.TimerTrinesn_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	4294967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1600
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00125584786

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999		
VehDyn_MinOffset_HwDeg_M_f32	2840 18.7999992		
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	0.00125584786		
VehDyn SLPHwAuth Uls M f32	1		
VehDyn SLPHwPos HwDeg M f32	1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	10		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	100000		
k_SysKinRatio_MtrDegpHwDeg_f32	100		
k_TravelXCDeadband_Uls_f32	100		
k_TravelXCHwAuthority_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	Deg_132	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target VehDyn Per1 CcwEOT HwDeg f32.value	-360		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	V
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009 1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	1600 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1 1	- v
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	9
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32		4294967295	-
	4294967295		
VehDvn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	4294967295 1600		-
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			*
	1600 1600	1600 ± 0.009 1600 ± 0.009	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-159.890015	-159.889999	~
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7890587	18.7890587 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295	4294967295	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ama	Innut Value
ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	126.09998
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.099985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000577999977
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.199997
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5,2999998e-005

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00079000002		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1		
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn LoSpdLearnt Cnt M lgc	0		
/ehDyn_MaxOffset_HwDeg_M_f32	15.6000004		
/ehDyn MinOffset HwDeg M f32	16.7000008		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391999987		
VehDyn SLPHwAuth Uls M f32	0.0970000029		
/ehDyn_SLPHwPos_HwDeg_M_f32	-870.950012		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984		
K HiSpdVDAuthority Uls f32	1		
<pre><_HispavbAutionty_ois_isz</pre> <pre><_HwTqMgnThd_HwNm_f32</pre>	3.0999999		
CLoSpdVDAuthority Uls f32	0		
<_CoopevDAddionty_ois_i32 <_SrlHwAgVIdTiThd_mS_u32	4891		
<pre><_SIN WAGVIGTTING_IIIS_US2</pre> <pre><_SysKinRatio_MtrDegpHwDeg_f32</pre>	86.5		
	97.1100006		
c_TraveIXCHwAuthority_Uls_f32 arget_DtrmnElapsedTime_mS_u32_ElapsedTime	0.101149999 2659241984		
arget_GetSystemTime_mS_u32_CurrentTime	2127166208		
arget_GetSystemmine_ms_usz_currentmine arget Rte Call Ap VehDyn SystemTime			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim		~ 600	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwN	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD		
rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt		
rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg	_	
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedVa		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K	ph_f32	
arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-999.950012		
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.72998		
arget_VehDyn_Per1_HwTorque_HwNm_f32.value	8.53999996		
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.899994		
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999		
arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-870.950012		
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.3600006		
Name	Actual Value	Expected Value	Resu
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	
, <u> </u>	and the second s	· · · · · ·	

venDyn_AutoCntrDetSpa_ivi_str.Timer1_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	~





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004	15.6000004	~
VehDyn_MinOffset_HwDeg_M_f32	16.7000008	16.7000008	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50272346	1.50272346 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0970000029	0.0970000029 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.80 (Repeat Count = 1)	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn /ehDyn AllowHiSpdAutoCntr Cnt M lgc	target_Rte_Inst_Ap_VehDyn
7 - 7	
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	0
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	0
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.51327106e-006
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
'ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51327106e-006
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0
ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
	0
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	U

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Nama	Input Value		
Name VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0		
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	0		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrl_oSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn ForceCenterEnabled Cnt M Igc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	-2840		
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999 -18.7999992		
VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006		
VehDyn SLPHwAuth Uls M f32	0		
VehDyn_SLPHwPos_HwDeg_M_f32	-1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	0		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	0		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	0		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	0		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3;		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	0_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3: -1440.10999	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0	Promonent of West	D
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	· ·
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	,
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	· ·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uls_f32	-1600	-1600 ± 0.009	,
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	360	360	~
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	-
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.81 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.1399994
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080400001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	566
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	216
ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	1.10000002
ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	88.4000015
ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	53970
ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	52282
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	1078320779
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1361.30005
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000592000026
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1361.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	0.000176000001
ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	700
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86,3000031
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.3000001
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.199969

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.57999992e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	753.541992		
VehDyn MinOffset HwDeg M f32	-924.486023		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000399000011		
VehDyn_SLPHwAuth_Uls_M_f32	0.216000006		
VehDyn_SLPHwPos_HwDeg_M_f32	-799.130005		
VehDyn SrlHwAgVldTimer mS M u32	1759885568		
k HiSpdVDAuthority UIs f32	0		
k_HwTqMgnThd_HwNm_f32	0.119999997		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	744		
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031		
k_TravelXCDeadband_Uls_f32	89.9000015		
k_TravelXCHwAuthority_Uls_f32	0.109724998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568		
target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	1117112832		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	1759885568		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadp	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	£22	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-956.130005	2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1215.07898		
target VehDyn Per1 HwTorque HwNm f32.value	-6.03999996		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	753.700012		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1361.30005		
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-799.130005		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.049988		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
			~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc		0	
	0		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 1	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0 1 1078320779	0 1 1078320779	~ ~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 1 1078320779 383750110	0 1 1078320779 383750110	\rightarrow \right
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 1 1078320779 383750110 1361.30005	0 1 1078320779 383750110 1361.30005 ± 0.009	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-146.221069	-146.220993	~
VehDyn_MinOffset_HwDeg_M_f32	-924.486023	-924.486023	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19633675	3.19633675 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568	1759885568	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Mama	Input Value
Name	•
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000806000025
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000806000025
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	45.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.199997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	586.059998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000593999983
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	586.059998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000180000003
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	152.199997		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.3000031		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.61999987e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000806000025		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	758.533997		
VehDyn_MinOffset_HwDeg_M_f32	-917.802002 5.4000001		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001 0.00039999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.232999995		
VehDyn_SLPHwAuth_Uls_M_f32	-788.869995		
VehDyn_StPHwPos_HwDeg_M_f32	1662097408		
VehDyn_SrlHwAgVIdTimer_mS_M_u32	1		
k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32	5.44999981		
k LoSpdVDAuthority Uls f32	0		
	700		
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	96.5		
k TravelXCDeadband Uls f32	88.8700027		
k_TravelXCHwAuthority_Uls_f32	0.110950001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime			
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target VehDyn Per1 SrlHwAg HwDeg f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-949.869995	~_	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1225.98596		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.05000019		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	159.600006		
target VehDyn Per1 RelHwPos HwDeg f32.value	586.059998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-788.869995		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-7.30000019		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.070007		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Resul
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	
	586.059998		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1	586.059998 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	U	U	· · · · · · · · · · · · · · · · · · ·

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VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32

 $VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	639.925964	639.926025	~
VehDyn_MinOffset_HwDeg_M_f32	-917.802002	-917.802002	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40069056	-5.40069008 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	787.459961	787.460022 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.83 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000807999982
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.3999996
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000595999998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000184000004

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1999998		
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	13352		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.66000017e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	763.526001		
VehDyn_MinOffset_HwDeg_M_f32	-911.117981		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000400999998		
VehDyn_SLPHwAuth_Uls_M_f32	0.25		
VehDyn_SLPHwPos_HwDeg_M_f32	-778.609985		
VehDyn_SrlHwAgVIdTimer_mS_M_u32	1050692864		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_f32	6.32000017		
k_SrlHwAgVIdTiThd_mS_u32	701		
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985		
k TravelXCDeadband Uls f32	87.8399963		
k_TraveIXCHwAuthority_Uls_f32	0.112175003		
target DtrmnElapsedTime mS u32 ElapsedTime	2127166208		
target GetSystemTime mS u32 CurrentTime	309385728		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-943.609985		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1236.89294		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.09998		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-339.980011		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-778.609985		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.349998	l=	
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	,

0

VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	Ī	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1236.89294	1236.89294	✓
VehDyn_MinOffset_HwDeg_M_f32	-943.609985	-943.609985	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59373665	7.59373665 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.25	0.25 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1118.58997	-1118.58997 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	66
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	116
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	10
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	54
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	18715
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2553156835
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3174948758
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080999998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080999998
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.2000008
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000598000013

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188000005		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCotrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.2999992		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.70000011e-005 1590.80005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080999998		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	768.518005		
VehDyn_MinOffset_HwDeg_M_f32	-904.434021		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5 0.000402000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.26699999		
VehDyn SLPHwPos HwDeg M f32	-768.349976		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	1		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	702		
k_SysKinRatio_MtrDegpHwDeg_f32	52		
k_TravelXCDeadband_Uls_f32	86.8099976		
k_TraveIXCHwAuthority_UIs_f32	0.113399997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	2659241984		
target_Rte_Call_Ap_VehDyn_SystemTime_DtiffiliapsedTime_mis_usz_elapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_us2_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm 1		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRi		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-937.349976		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1247.80005		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1590.80005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-768.349976		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.869995		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1590.80005	1590.80005 ± 0.009	•

1590.80005

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

 1590.80005 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1247.80005	1247.80005	✓
VehDyn_MinOffset_HwDeg_M_f32	-937.349976	-937.349976	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50024426	1.50024426 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.26699999	0.26699999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	822.450073	822.450012 ± 0.1	~

est Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2 05 (Beneat Count = 4)	
Test Step 2.85 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416

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Name VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc	Input Value 2760420809 3382212733 1341.30005 0.000600000028 1341.30005 0.000192000007 0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MitrVel_MtrRadpS_f32	3382212733 1341.30005 0.000600000028 1341.30005 0.000192000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MitrVel_MtrRadpS_f32	1341.30005 0.000600000028 1341.30005 0.000192000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MitrVel_MtrRadpS_f32	0.000600000028 1341.30005 0.000192000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	1341.30005 0.000192000007 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0.000192000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	1
	0
	34
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.399996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	33198 7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	5.74000005e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	773.51001
VehDyn_MinOffset_HwDeg_M_f32	-897.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403000013
VehDyn_SLPHwAuth_Uls_M_f32	0.284000009
VehDyn_SLPHwPos_HwDeg_M_f32	-758.090027
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	1.5
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	85.7799988
k_TravelXCHwAuthority_Uls_f32	0.114624999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-931.090027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1258.70703
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.2000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.39994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	759 000027
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-758.090027 4.500000
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-4.5999999 1
target_venDyn_Per1_venicleSpeedvalid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.070007
govvo.ibyii_i or i_voriioioopoou_ixpii_ioz.vaiac	Actual Value Expected Value Resul
Name	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360	2942063360	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-82.5930176	-82.5930023	-
VehDyn_MinOffset_HwDeg_M_f32	-897.75	-897.75	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59865212	-1.59865212 ± 0.000009	-
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	-
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1242.97009	1242.96997 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.86 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.4000015

2015-09-15, 13:01:18+0530



VADDY AUXOCINETISQU J.W. ITTERNET TIMEN INS	Name	Input Value
Visiby_AutoCriticSpd_M_st_Trend_ps_G2 Visiby_AutoCriticSpd_M_st_Trend_		•
Varbyn, Auschmisspil, J., S. Timer, J. F. J. 192 Varbyn, Auschmisspil, J., S. Timer, J. 193 Varbyn, Auschmisspil,		
VerbinstandorderHispd.M.sc field-investignt Hay Harbog, art SV July, 122 33990011 VerbinstandorderHispd.M.sc field-investignt Hay Harbog, art KU is, 152 000569999988 VerbinstandorderHispd.M.sc field-investignt Hay Harbog, art KU is, 152 000569999989 VerbinstandorderHispd.M.sc field-investignt-Hispd.Hispd.M.sc field-investign-Hispd.M.sc field-investign-Hisp		
Verbin AutoComissod M. 87 #894-876115 V. Parkog et SV. Us 122 338,80011		
Veoluph_Audocrafts De_M_BERNAMORITISY_Mode_ast_V_UB_122		
Victory, Auscontines May 1 Am Enterhebro (2002) May 1999 Victory, Auscontines May 1 Am Enterhebro (2002) May 1999 Victory, Auscontines May 1999 Victory, Aus		
Vichiph, AutoChristoph, M. art Filter Christop, Crit. gis 0 Vichiph, AutoChristoph, M. art Filter Christop, Crit. gis 1 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 1 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 0 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 0 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 0 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 0 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 0 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 1 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 1 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 1 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 1 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 1 Vichiph, AutoChristoph, M. art Filter Christoph, Crit. gis 1 Vichiph, AutoChristoph, M. art Filter Christoph, Vichig, 2 Vichiph, AutoChristoph, M. art Filter Christoph, Vichip, 2 Vichiph, AutoC		
VADDA, MACCHINSDE, M. M. ETHRESCHADE, CR. Up 1 VADDA, MACCHINSDE, M. M. ETHRESCHADE, CR. Up 1 VADDA, MACCHINSDE, M. M. ETHRESCHADER, CR. Up 0 VADDA, MACCHINSDE, M. M. ETHRESCHADER, CR. Up 0 VADDA, MACCHINSDE, M. ANIVER, WIRDARS, SZ 0 VADDA, MACCHINSDE, M. ANIVER, WIRDARS, SZ 0 VADDA, MACCHINSDE, M. ANIVER, WIRDARS, SZ 12 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 13352 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 13352 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 13352 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 2448982880 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 333690001 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 333,890011 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 333,890011 VADDA, MACCHINSDE, M. ANITHMETHER, M. C. US 333,890011 VADDA, MACCHINSDE, M. ANITHMETHER, C. US 333,890011 VADDA, MACCHINSDE, M. ANITHMETHER, C. US 333,890011 VADDA, MACCHINSDE, M. ANITHMETHER, C. US 3000000790992 VADDA, MACCHINSDE, M. ANITHMETHER, C. US 3000007909992 VADDA, MACCHINSDE, M. ANITHMETHER, C. US <		
Velicips AutoChrist (Sol M. ser Fileschales Crit. ge		
Velop, AusConflictogol, M. at Pillar Initiatized, Crit. Igs Velop, AusConflictogol, M. at Wirel MirRepols (12) Velop, AusConflictogol, M. at Timer Threeth, m. 9, u16 Velop, AusConflictogol, M. at Timer Threeth, m. 9, u16 Velop, AusConflictogol, M. at Timer Threeth, m. 9, u16 Velop, AusConflictogol, M. at Timer Threeth, m. 9, u16 Velop, AusConflictogol, M. at Timer Threeth, m. 9, u16 Velop, AusConflictogol, M. at Timer Threeth, m. 9, u16 Velop, AusConflictogol, M. at Timer Threeth, m. 9, u16 Velop, AusConflictogol, M. at Timer Threeth, m. 9, u16 Velop, AusConflictogol, M. at Timer Threeth (13) Velop, AusConflictogol, M. at Timer Threeth (14) Velop, AusConflictogol, M. at		
Victory AutoContests poll M. at MinVery Manages, Fig. 2 0 0 0 0 0 0 0 0 0	VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
Verbin, Auscontic Septil, M. at Winder, Light 32 Verbin, Auscontic Septil, M. at Winder, Light 32 Verbin, Auscontic Septil, M. at Filher Tin, Hanhmun 22 Verbin, Auscontic Septil, M. at Timer Threat, m. S. uris Verbin, Auscontic Septil, M. at Timer Threat, m. S. uris Verbin, Auscontic Septil, M. at Timer Threat, m. S. uris Verbin, Auscontic Septil, M. at Timer Times, m. S. uris Verbin, Auscontic Septil, M. at Timer Times, m. S. uris Verbin, Auscontic Septil, M. at Timer Times, m. S. uris Verbin, Auscontic Septil, M. at Timer Times, uris Verbin, Auscontic Septil, M. at Timer Zimes, uris Verbin, Auscontic Septil, M. at Zimes,	VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
VAIDUP, AMSCORTLOSEM, M.S. FIRIPRITE, HANNIN, E.Z. 0 VAIDUP, AMSCORTLOSEM, M.S. EMPRITE, HANNIN, E.Z. 12.1999998 VAIDUP, AMSCORTLOSEM, M.S. TIMET, HANNIN, E.Z. 12.1999998 VAIDUP, AMSCORTLOSEM, M.S. TIMET, HANNIN, E.Z. 24.4442 VAIDUP, AMSCORTLOSEM, M.S. TIMET, M.S. U.Z. 24.448282800 VAIDUP, AMSCORTLOSEM, M.S. TIMET, M.S. U.Z. 33.9880011 VAIDUP, AMSCORTLOSEM, M.S. TIMET, M.S. U.Z. 33.9880011 VAIDUP, AMSCORTLOSEM, M.S. TIMET, M.S. U.J. E.Z. 33.9880011 VAIDUP, AMSCORTLOSEM, M.S. TIMET, M.S. U.J. E.Z. 33.9880011 VAIDUP, AMSCORTLOSEM, M.S. FIRST CHARLO, C.M. I.B. 43.988001 VAIDUP, AMSCORTLOSEM, M.S. FIRST CHARLO, C.M. I.B. 0 VAIDUP, M.S. C.M. I.B. G.S. 0 <		
VARDM, AutContiosopi, M. p. Frillwinder, Hawbing 152 1.21999998 VARDM, AutContiosopi, M. p. Timer Threat, m. g. u16 13352 VARDM, AutContiosopi, M. p. Timer Threat, m. g. u16 14442 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 2248828890 VARDM, AutContiosopi, M. p. Timer, m. g. u22 234882890 VARDM, AutContiosopi, M. p. Timer, m. g. u22 333890011 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 333890011 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 333890011 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 333890011 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 vs. V. u23 333890011 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u23 0.000607999902 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u23 0.000607999902 VARDM, AutContiosopi, M. p. Timer Timer Timer, m. g. u23 0.000607999902 VARDM, AutContiosopi, M. p. Timer Timer Timer, m. g. u23 0.0006079999902 VARDM, AutContiosopi, M. p. Timer Timer Timer, m. g. u23 0.0006079999902 VARDM, AutContiosopi, M. p. Timer Timer Timer, m. g. u23 0.0006079999902 VARDM, AutContiosopi, M. p. Timer Timer Timer, m. g. u23 0.00000009000 VARDM, P. S. Timer, m	VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
Verbin, Auscontackgof, M. pt. Timer Thresh in Suifs Verbin, Auscontackgof, M. pt. Timer Thresh in Suifs Verbin, Auscontackgof, M. pt. Timer Thresh in Suifs Verbin, Auscontackgof, M. pt. Timer, Tims, 112 Verbin, Auscontackgof, M. pt. Timer, Timer, 112 Verbin, Auscontackgof, M. pt. Timer, 112 Verbin, M. pt. Verbin, 112 Ve	VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
Verbiny, AutoConticSpd M, str Timer Threat in St. 16 Verbiny, AutoConticSpd M, str Timer In St. 192 Verbiny, AutoConticSpd M, str Timer Interest Contige Verbiny, NeoConticSpd M, str Timer Interest Contige Verbiny, NeoContic Contige Verbiny, NeoContige Verbiny, NeoContige Verbiny, NeoContige Verbiny, NeoContige Verbiny, NeoContige Verbiny, NeoContige Verbiny,	VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn AutContacSept M_ST Timer ZTHesh mS use	VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutConticSpd_M_str_Mar_M_SU2	VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VerbDy_AutContri.oSpd_M_str.NewE_mS_u32	VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
Verboy, AuscontriusSod, M. sir Rehtwepsaffisty, Mwbeg, sir S.V. Uis. [32] Verboy, AuscontriusSod M. sir Rehtwepsaffisty Mwbeg, sir S.V. Uis. [32] Verboy, AuscontriusSod M. sir Rehtwepsaffisty Mwbeg, sir S.V. Uis. [32] Verboy, AuscontriusSod M. sir Rehtwepsaffisty Mwbeg, sir S.V. Uis. [32] Verboy, AuscontriusSod M. sir Rehtwepsaffisty Mwbeg, sir S.V. Uis. [32] Verboy, AuscontriusSod M. sir Rehtwepsaffisty Mwbeg, sir S.V. Uis. [32] Verboy, AuscontriusSod M. sir Rehtwepsaffisty Mwbeg, sir S.V. Uis. [32] Verboy, AuscontriusSod M. sir Rehtwepsaffisty Grub [gc] Verboy, MuscontriusSod M. sir Rehtwepsaffisty Grub [gc] Verboy, Minister Crit M. [gc] Verboy, Sich Mensor, M. [gc] Verboy, Sich Mensor, M. [gc] Verboy, Sich Mensor, Minister Crit Mensor, Mini	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFill2SV_MoDe_str.K_Uis_[32]	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFill2SV_MoDe_str.K_Uis_[32]	VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-339.980011
VerbDyn_AutoCnitLoSpid_Msr.ReinWoosinESSV_Hobeq_str.SV_Uis_732 0000807999982 VerbDyn_AutoCnitLoSpid_Msr.ReinWoosinESSV_Hobeq_str.Uis_732 0000807999982 VerbDyn_AutoCnitLoSpid_Msr.ReinTeinBalzed_Cnt.Uge 0 VerbDyn_AutoCnitLoSpid_Msr.ReinTeinBalzed_Cnt.Uge 0 VerbDyn_AutoCnitLoSpid_Msr.ReinTeinBalzed_Cnt.Uge 0 VerbDyn_ForceCentEnabled_Cnt.Uge 0 VerbDyn_ForceCentEnabled_Cnt.Uige 0 VerbDyn_ForceCentEnabled_Cnt.Uige 1 VerbDyn_ForceCentEnabled_Cnt.Uige 1 VerbDyn_ForceCentEnabled_Cnt.Uige 1 VerbDyn_Hostiatz_Cnt.M_Uige 1 VerbDyn_Hostiatz_Cnt.M_Uige 1 VerbDyn_Hostiatz_Cnt.M_Uige 1 VerbDyn_MnOffset_Hobog_M_132 4911.117981 VerbDyn_ForceCenterContext_House_M_132 4911.117981 VerbDyn_ForceCenterContext_House_M_132 759999999 VerbDyn_Str.Will_Uis_R_12 0 VerbDyn_ForceCenterContext_House_M_132 10500000000000000000000000000000000000		
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VehDyn_AutoCritt.Ospd_M_str_FilterInitialized_Crt_Igc		
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VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpit_eart_Cnt_M_lgc 1 VehDyn_Minoffset_HwDeg_M_f32 763.526001 VehDyn_Minoffset_HwDeg_M_f32 -911.17881 VehDyn_PinTrqSV_M_str Xr_Uls_f32 0.000400999998 VehDyn_SIPHwAuhr_Uls_M_52 0.000400999988 VehDyn_SIPHwBog_HwDeg_M_f32 -778.609865 VehDyn_SIPHwBog_HwDeg_M_f32 -778.609865 VehDyn_SIHWBog_Mflime_mB_M_u32 1050692864 K_HiSpdVDAuthority_Uls_f32 6.32000017 K_LoSpdVDAuthority_Uls_f32 1 K_LoSpdVDAuthority_Uls_f32 1 K_SilfwBay_GiffThd_mB_us_32 701 K_SilfwBay_GiffThd_mB_us_32 1 K_SilfwBay_GiffThd_mB_us_32 2.0999865 K_TraveXCDeadband_Uls_f32 87.8399863 K_TraveXCDeatband_Uls_f32 87.8399863 K_TraveXCDeatband_Uls_f32 9.112175003 Larget_RE_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTime 2127166208 Larget_RE_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 309385728 Larget_RE_Call_Ap_VehDyn_NetDyn_Per1_CwECD_T_HwDeg_f32 Larget_NetDyn_Per1_CwECD_T_HwDeg_f32 <td< td=""><td></td><td></td></td<>		
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VehDyn_SrlHwAgVldTimer_mS_M_u32 1050692864 k_HISpdVDAuthority_Uls_f32 0 k_HWTQMgnThd_HwNm_f32 6.32000017 k_LOSpdVDAuthority_Uls_f32 1 k_SrlHwAgVldTiThd_mS_u32 701 k_SysKinRatio_MtrDeppHwDeg_f32 32.099985 k_TravelXCDeadband_Uls_f32 87.8399963 k_TravelXCHwAuthority_Uls_f32 0.112175003 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2127166208 target_Recall_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime 309385728 target_Recall_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 1050992864 target_Recall_Ap_VehDyn_VehDyn_Perl_CwEOT_HwDeg_f32 1050992864 target_Recall_Ap_VehDyn.VehDyn_Perl_CwEOT_HwDeg_f32 1050992864 target_Recall_No_VehDyn_VehDyn_Perl_MotorYeCRF_MtrRadpS_f32 1050992864 target_Recall_Ap_VehDyn.VehDyn_Perl_MotorYeCRF_MtrRadpS_f32 1050992864 target_Recall_No_VehDyn_VehDyn_Perl_MotorYeCRF_MtrRadpS_f32 1050992864 target_Recall_nat_Ap_VehDyn.VehDyn_Perl_MotorYeCRF_MtrRadpS_f32 1050992864 target_Recall_nat_Ap_VehDyn.VehDyn_Perl_SensoriessAthority_Uls_f32 1050992864 target_Recall_nat_Ap_VehDyn.VehDyn_Perl_SensoriessAthority_Uls_f32	VehDyn_SLPHwAuth_Uls_M_f32	0.25
k_HiSpdVDAuthority_Uls_f32 0 k_HwTqMgnThd_HwMm_f32 6.32000017 k_LoSpdVDAuthority_Uls_f32 1 k_SyskinRatio_MtrDegpHwDeg_f32 32.099985 k_TravelXCDeadband_Uls_f32 87.8399963 k_TravelXCDeadband_Uls_f32 0.112175003 k_arget_DtmnflapsedTime_mS_u32_ElapsedTime 2127166208 target_DtmnflapsedTime_mS_u32_CurrentTime 303885728 target_Re_Gall_Ap_VeNpn_SystemTime_DtmmElapsedTime_mS_u32_CurrentTime 43474401088 target_Rte_Call_Ap_VeNpn_SystemTime_GetSystemTime_mS_u32_CurrentTime 1056962864 target_Rte_Inst_Ap_VeNbpn_VeNbpn_Per1_CwEOT_HwDeg_f32 12 target_Rte_Inst_Ap_VeNbpn_VeNbpn_Per1_HwTorque_HwNm_f32 12 target_VeNbpn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VeNbpn_VeNbpn_Per1_MotorVeICRF_MtrRadpS_f32 12 target_VeNbpn_Per1_MotorVeICRF_MtrRadpS_f32 12 target_VeNbpn_Per1_MotorVeICRF_MtrRadpS_f32 target_Rte_Inst_Ap_VeNbpn_VeNbpn_Per1_SensorlessAuthority_Uls_f32 12 target_Rte_Inst_Ap_VeNbpn_VeNbpn_Per1_SensorlessAuthority_Uls_f32 12 target_Rte_Inst_Ap_VeNbpn_VeNbpn_Per1_SensorlessAuthority_Uls_f32 12 target_VeNbpn_Per1_SensorlessAuthority_Uls_f32 12 target_VeNbpn_Per1_SensorlessAuthority_Uls_f32 12 target_VeNbpn_Per1_SensorlessAuthority_Uls_f32 12 target_VeNbpn_Per1_SensorlessAuthority_Uls_f32 12 target_VeNbpn_Per1_SensorlessAuthority_Uls	VehDyn_SLPHwPos_HwDeg_M_f32	-778.609985
k_HwTqMgnTnd_HwNm_f32 6.32000017 k_LoSpdVDAuthority_Uls_f32 1 k_SrlHwAgVldTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 32.0999985 k_TravelXCHwAuthority_Uls_f32 87.8399963 k_TravelXCHwAuthority_Uls_f32 0.112175003 target_DtrmElapsedTime_mS_u32_CurrentTime 2127166208 target_GetSystemTime_mS_u32_CurrentTime 309385728 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 1056982884 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 1056982884 target_Rte_Call_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorvelCRF_MtrRadps_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_MotorvelCRF_MtrRadps_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SirlHwAgVid_Cnt_lgc t	VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_LioSpdVDAuthority_Uis_f32	k_HiSpdVDAuthority_Uls_f32	0
k_SriHwagVldTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 32.0999985 k_TraveIXCDeadband_Uls_f32 87.8399963 k_TraveIXCHwAuthority_Uls_f32 0.112175003 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2127166208 target_GetSystemTime_mS_u32_CurrentTime 309385728 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 1050692864 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Mrorque_HwNm_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Motor/velCRF_MtrRadpS_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_Motor/velCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SiHwAg_HwDeg_f32 target_VehDyn_Per1_SiHwAg_HwDeg_f32 target_VehDyn_Per1_SiHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SiHwAg_HwDeg_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwD	<_HwTqMgnThd_HwNm_f32	6.32000017
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k_TravelXCDeadband_Uls_f32	c_SrlHwAgVldTiThd_mS_u32	701
k_TravelXCHwAuthority_Uls_f32	k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
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target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1100.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011	· - ·	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_VehDyn_Per1_CowEOT_HwDeg_f32.value 1236.89294 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1236.89294 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1100.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwMm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 4.8.06000042 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 3.39.980011		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1100.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011		V - V V-
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SriHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1236.89294 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1399.880011		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 339.980011		0 = 7 = = -
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 339.980011		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 339.980011		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 339.980011		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 339.980011		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwebOr_HwDeg_f32.value target_VehDyn_Per1_CwebOr_HwDeg_f32.value target_VehDyn_Per1_CwebOr_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value -943.609985 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1236.89294 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000042 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1100.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -943.609985 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1236.89294 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000042 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1100.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1236.89294 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000042 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1100.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011		
target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000042 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1100.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1100.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011	arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1236.89294
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -339.980011	arget_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042
	arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.09998
target VehDvn Per1 SrlHwAgVld Cnt lac value	arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-339.980011
arget_veribyri_rerr_orinwagviu_orit_igo.value U	arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -778.609985	arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-778.609985
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 1.29999995		1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value		1.
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 120.349998		120.349998





Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1236.89294	1236.89294	~
VehDyn_MinOffset_HwDeg_M_f32	-943.609985	-943.609985	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59373665	7.59373665 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.25	0.25 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1118.58997	-1118.58997 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.87 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000615999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000224000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1.
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	20
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	897.609985
VehDyn Initialize Cnt M Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	813.445984
VehDyn_MinOffset_HwDeg_M_f32	-844.278015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410999986
VehDyn_SLPHwAuth_Uls_M_f32	0.419999987
VehDyn_SLPHwPos_HwDeg_M_f32	-676.01001
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	52.5
k_TravelXCDeadband_Uls_f32	77.5400009
k_TravelXCHwAuthority_UIs_f32	0.124425001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTitarget Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Call_Ap_VehDyn_SystemTime_GetsystemTime_ms_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-881.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.79999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	0 1 -676.01001
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0





Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.4099998		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	813.445984	813.445984	✓
VehDyn_MinOffset_HwDeg_M_f32	-844.278015	-844.278015	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50100636	1.50100636 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-897.609985	-897.609985 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.88 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	350.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.5400009

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000606000016
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000203999996
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.600006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.2999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.85999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	788.486023
VehDyn_MinOffset_HwDeg_M_f32	-877.697998 - 7
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7
VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32	0.000406000006 0.335000008
VehDyn SLPHwPos HwDeg M f32	-727.309998
VehDyn SrlHwAgVldTimer mS M u32	7858
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	56.5
k_TravelXCDeadband_Uls_f32	82.6900024
k_TravelXCHwAuthority_UIs_f32	0.118299998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
target_GetSystemTime_mS_u32_CurrentTime	3437401088
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	2127166208
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	7858
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVId_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_inst_Ap_venDyn_VenDyn_Peri_venicieSpeed_Rpn_f32 target_VehDyn_Peri_CcwEOT_HwDeg_f32.value	-912.309998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-912.309996 1291.42798
target VehDyn Per1 HwTorque HwNm f32.value	2.79999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.400024
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.69995
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-727.309998
_	





Name	Input Value		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.8700008		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	<u> </u>
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	1291.42798	1291.42798	•
VehDyn_MinOffset_HwDeg_M_f32	-912.309998	-912.309998	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99596214	-6.99596214 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	7858	7858	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.335000008	0.335000008 ± 0.004	-
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	532.389954	532.390015 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.89 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000820000016
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000820000016
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0

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Valley D., Autochreidsey J., ye Republished Coll 19 1 Valley D., Autochreidsey D., ye Republished Coll 19 30,00008 Valley D., Autochreidsey D., ye Walley J., Walley D., Autochreidsey D., ye Walley D., Ye Walle	Name	Input Value
Velicy Auto-Chiefs M. at Market Microsophia College Co	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VARDPA_ADCORRESS_M_strews_Miss_New_ADC_ADC_ADCORRESS_Miss_New_ADC_ADCORRESS_Miss_New_ADCORRESS_Miss_New_ADCORRESS_Miss_New_ADCORRESS_Miss_New_ADCORRESS_Miss_New_ADCORRESS_Miss_New_ADCORRESS_Miss_New_ADCORRESS_Miss_New_ADCORRESS_Miss_New ADCORRESS_Miss_New AD	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
WORD_MADGENESSQ_M_B_STRENNING_Name Section	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
Verbilly Autochesis (M. M. Schlink) 1946 (P. 1960) 4.19899815 Verbilly Autochesis (M. M. Stirred Threat) 1961 (1960) 5055 Verbilly Autochesis (M. M. Stirred Threat) 1961 (1960) 5055 Verbilly Autochesis (M. M. Stirred Threat) 1962 (1960) 50547777 Verbilly Autochesis (M. M. Stirred Threat) 1962 (1960) 50547777 Verbilly Autochesis (M. M. Stirred Threat) 1962 (1960) 4004778 Verbilly Autochesis (M. M. Stirred Threat) 1964 (1960) 5004777 Verbilly Autochesis (M. M. Stirred Threat) 1964 (1960) 1000000000000000000000000000000000000	VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
Veology_Audicrisis (Sept_M as There Times As (1)	VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.1999969
VerDiyA, AudicanisSQM, M. at Timer Timeria, mS, u16 985 VerDiyA, AudicanisSQM, M. at Timer 1, mS, u12 985 VerDiyA, AudicanisSQM, M. at Timer 2, mS, u12 411268831 VerDiyA, AudicanisSQM, M. at Timer 2, mS, u12 411268831 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisS	VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VerDiyA, AudicanisSQM, M. at Timer Timeria, mS, u16 985 VerDiyA, AudicanisSQM, M. at Timer 1, mS, u12 985 VerDiyA, AudicanisSQM, M. at Timer 2, mS, u12 411268831 VerDiyA, AudicanisSQM, M. at Timer 2, mS, u12 411268831 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, M. at Rehebrachist 15V, holizog at SV, Us, 122 1493,00002 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisSQM, Jack Berkeley Alexandro 2, us, 120 0 VerDiyA, AudicanisS	VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	96.0999985
Verbigs, AutoChristops, J., et Timery_RS_322 Verbigs, AutoChristops, M., et Timery_RS_322 Verbigs, AutoChristops, M., et Reinkordinitisty_Hobing_sits V_Usi_022 Verbigs, AutoChristops, M., et Reinkordinitisty_Hobing_sits, Usi_022 Verbigs, AutoChristops, M., et Reinkordinitisty_Hobing_sits, Vull_022 Verbigs, AutoChristops, M., et Reinkordinitisty_Hobing_sits, Vull_023 Verbigs, AutoChristops, M., et Reinkordinitisty_Hobing_sits, Vull_023 Verbigs, AutoChristops, M., et Reinkordinitisty_Hobing_sits, Vull_023 Verbigs, AutoChristops, M., et Reinkordinitisty_Ho	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	3658
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Ventrops		3589476707
Veology AutoContesting of the Reinhorserial Sty Jeology at SV, Usp. 122		4211268631
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target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Lnst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_LmtVorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1302.33496		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 906		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -906 target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_LwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -906 target_VehDyn_Per1_CwEOT_HwDeg_f32.value	$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 4906 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1302.33496	$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	333
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 4906 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1302.33496	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1302.33496	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -906 target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -906 target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value 1302.33496		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1302.33496		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value 1302.33496		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_CewEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -906 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1302.33496		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -906 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1302.33496		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1302.33496		
talget_venibyit_reit_mwitolque_mwitit_isz.value 3		
	angot_venibyn_ren_nwroique_nwiviii_ioz.value	V





Name	Input Value		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.100006		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1593		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-717.049988		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.4099998		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	793.478027	793.478027	✓
VehDyn_MinOffset_HwDeg_M_f32	687	687	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79798317	7.79798317 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	333	333	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.90 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
VehDyn_AutoCntrllSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.05999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
	l'
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeq M f32	688.645996
VehDyn_MinOffset_HwDeg_M_f32	-1011.37799
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.8999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000386
VehDyn_SLPHwAuth_Uls_M_f32	0.0270000007
VehDyn_SLPHwPos_HwDeg_M_f32	-932.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k HiSpdVDAuthority Uls f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_UIs_f32	0.56000002
	70
k_SrlHwAgVIdTiThd_mS_u32	
k_SysKinRatio_MtrDegpHwDeg_f32	41.099985
k_TravelXCDeadband_Uls_f32	93.4100037
k_TravelXCHwAuthority_Uls_f32	0.0938000008
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2212175616
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime	
target_Rte_lnst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1037.51001





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Name	Input Value		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1073.28796		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.01000023		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-136.300003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-932.51001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.540009		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733	3382212733	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-136.300003	-136.300003 ± 0.0009	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-136.300003	-136.300003 ± 0.0009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1	1	✓
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3382212733	3382212733	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-136.300003	-136.300003 ± 0.0009	_
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	_
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn Initialize Cnt M lgc	1	1	_
VehDyn LoSpdLearnt Cnt M Igc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1073.28796	1073.28796	_
VehDyn_MinOffset_HwDeg_M_f32	-1037.51001	-1037.51001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89422607	8.89422703 ± 0.000009	_
VehDyn SrlHwAgVldTimer mS M u32	1316564736	1316564736	✓
target VehDyn Per1 SensorlessAuthority Uls f32.value	1	1 ± 0.004	_
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1600	-1600 ± 0.1	✓
0 _ , 1 _ 10 _ 11 _ 10 _ 11 _ 10 _ 11			

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.91 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000612000003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000216
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.98000006e-005
, - ,	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Iqc	0
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	803.461975
VehDyn_MinOffset_HwDeg_M_f32	-857.645996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000409
VehDyn_SLPHwAuth_Uls_M_f32	0.386000007
VehDyn_SLPHwPos_HwDeg_M_f32	-696.530029
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763
k_HiSpdVDAuthority_Uls_f32	0
k HwTqMgnThd HwNm f32	0.00120000006
k LoSpdVDAuthority Uls f32	1
_ '	90
k_SrlHwAgVIdTiThd_mS_u32	
k_SysKinRatio_MtrDegpHwDeg_f32	96.099985
k_TravelXCDeadband_Uls_f32	79.5999985
k_TraveIXCHwAuthority_Uls_f32	0.121974997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	1759885568
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	89763
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
0 _ 1_ 1_ 1_ 1 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1 _	, _ , _ ,





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Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleS	peed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-893.530029		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1324.14905		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.4000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-696.530029		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.7700005		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	✓
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1759885568	1759885568	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1600	1600 ± 0.009	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1600	1600 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4004004656	4004004656	·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1600	1600 ± 0.009	·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1	1	·
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	·
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc	0	0	
VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32	4004004656	4004004656	·
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn_AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1600	1600 ± 0.009	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	_
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	
	1	1	·
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	
VehDyn MaxOffset HwDeg M f32	1324.14905	1324.14905	
	-893.530029	-893.530029	
VehDyn_BinTreSV_M_etr_SV_UII_6 f22	-5.39637709	-5.39637709 ± 0.000009	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39637709 89763	-5.39637709 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	4	09703	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

902.210022

1 ± 0.004

902.210022 ± 0.1

Test Step 2.92 (Repeat Count = 1)	ranga da kacamatan
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.899994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.899994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.9000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.9000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631

 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350.399994
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96 40437
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.009983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	0.000614000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000220000002
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.02e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeg M f32	797.700012
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	808.453979
VehDyn_MinOffset_HwDeg_M_f32	-850.961975
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn PinTrqSV M str.K Uls f32	0.000410000008
VehDyn_SLPHwAuth_Uls_M_f32	0.402999997
VehDyn_SLPHwPos_HwDeg_M_f32	-686.27002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k_TravelXCDeadband_Uls_f32	78.5699997
k_TravelXCHwAuthority_UIs_f32	0.123199999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_m	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32





Input Value		
target_VehDyn_Per1_TorqueC	CmdCRF_MtrNm_f32	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_VehDyn_Per1_VehicleS	Speed_Kph_f32	
-887.27002		
1335.05603		
3.5999999		
-147.600006		
45.0099983		
0		
-686.27002		
-8		
0		
38.6300011		
Actual Value	Expected Value	Result
1	1	-
	4211268631	•
		•
		•
45.0099983	45.0099983 ± 0.00009	•
		•
1	1	•
0	0	•
'		_
		•
'	i i	
-		
	i i	
· ·	· ·	
	· ·	
1	I ± 0.004	
	target_VehDyn_Per1_TorqueC target_VehDyn_Per1_VehicleS target_VehDyn_Per1_VehicleS -887.27002 1335.05603 3.5999999 -147.600006 45.0099983 0 -686.27002 -8 0 38.6300011 Actual Value 1 4211268631 1024 45.0099983 45.0099983	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_i32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_i32 -887.27002 1335.05603 3.599999 -147.600006 45.009983 0 -686.27002 -8 0 38.6300011 Actual Value 1

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.93 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012 18
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000615999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000224000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterErlabled_Citi_wi_gc VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	813.445984
VehDyn_MinOffset_HwDeg_M_f32	-844.278015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410999986
VehDyn_SLPHwAuth_Uls_M_f32	0.419999987
VehDyn_SLPHwPos_HwDeg_M_f32	-676.01001
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	52.5
k_TravelXCDeadband_Uls_f32	77.5400009
k_TravelXCHwAuthority_Uls_f32	0.124425001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	2127166208
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u332_ElapseTim$	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_VenDyn.VenDyn_Per1_HW1orque_HWNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target VehDyn Per1 SrlHwAgVld Cnt Igc	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target VehDyn Per1 SrlHwAg HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target VehDyn Per1 CcwEOT HwDeg f32.value	-881.01001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.79999995		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	88.8000031		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-676.01001		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.4099998		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	-
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	~
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4290967295	4290967295	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	_
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	_
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	1024	1024	~
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4290967295	4290967295	_
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	0	0 ± 0.000009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	0	0 ± 0.000009	_
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	_
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn Initialize Cnt M lqc	1	1	-
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn MaxOffset HwDeg M f32	813.445984	813.445984	-
VehDyn MinOffset HwDeg M f32	-844.278015	-844.278015	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50100636	1.50100636 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	~
target VehDyn Per1 SensorlessAuthority Uls f32.value	1	1 ± 0.004	
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-897.609985	-897.609985 ± 0.1	~
g			

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.94 (Repeat Count = 1)	v v
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.799988

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Name VohDun AutoCateDetCad M eta VohCad Junh 622	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.7999995
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	1078320779
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-275.019989
, =	0.000617999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000228000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.0999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn ForceCenterEnabled Cnt M Igc	1
VehDyn ForceCenterCrisset HwDeq M f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	*
VehDyn_MaxOffset_HwDeg_M_f32	818.437988
VehDyn_MinOffset_HwDeg_M_f32	-837.593994
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000411999994
VehDyn_SLPHwAuth_Uls_M_f32	0.437000006
VehDyn_SLPHwPos_HwDeg_M_f32	-665.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_UIs_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0.100000001
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	76.5100021
k TravelXCHwAuthority Uls f32	0.125650004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCF	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_Sensorless/	Authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessI	HwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld	I_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd	ICRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpe	edValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpe	ed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-874.75		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1356.87		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	4		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5400009		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-275.019989		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-665.75		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.869995		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1078320779	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn MaxOffset HwDeg M f32	818.437988	818.437988	
VehDyn MinOffset HwDeg M f32	-599.72998	-599.72998	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59766078	-1.59766078 ± 0.000009	-
VehDyn SrlHwAgVldTimer mS M u32	2728878080	2728878080	•
target VehDyn Per1 SensorlessAuthority Uls f32.value	1	1 ± 0.004	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.95 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

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ame	Input Value
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn AutoCntrDetSpd M str.VehSpd kph f32	580.099976 156.100006
enDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.099999
	42.0999985
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	16683
ehDyn_AutoCotrDetSpd_M_str.Timer1Thresh_mS_u16	22497
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
· - ·	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886 -880,02002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	0.00831999991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	-880.02002 0.000831999991
	0.000631999991
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	200
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000620000006
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000232000006
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.01001
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.199997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.01000023
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.14000019e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000831999991
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_ForceCenterEnabled_Cnt_M_lgc	1
hDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005
hDyn_HiSpdLearnt_Cnt_M_lgc	1
hDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	-823.429993
ehDyn MinOffset HwDeg M f32	-830.909973
hDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002
hDyn PinTrqSV M str.K Uls f32	0.000413000002
hDyn_SLPHwAuth_Uls_M_f32	0.453999996
hDyn_SLPHwPos_HwDeg_M_f32	-655.48999
hDyn_SrlHwAgVldTimer_mS_M_u32	824746752
HiSpdVDAuthority_Uls_f32	0
HwTqMgnThd HwNm f32	4.0999999
	0.60000024
LoSpdVDAuthority_UIs_f32	
SrlHwAgVIdTiThd_mS_u32	987
_SysKinRatio_MtrDegpHwDeg_f32	63.099985
_TravelXCDeadband_Uls_f32	75.4800034
TraveIXCHwAuthority_UIs_f32	0.126874998
rget_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
rget_GetSystemTime_mS_u32_CurrentTime	1050692864





Name	Input Value		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr1	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-868.48999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1367.77698		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	4.19999981		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.099976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-655.48999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.6399994		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1367.77698	1367.77698	~
VehDyn_MinOffset_HwDeg_M_f32	-868.48999	-868.48999	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7921886	-14.7921886 ± 0.00009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	•

Test Step 2.96 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

2015-09-15, 13:01:18+0530



Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000809999998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.0080999998
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.2000008
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.100006
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000598000013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188000005
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.7000011e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.0080999998
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
/ehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	768.518005
/ehDyn_MinOffset_HwDeg_M_f32	-904.434021
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000402000005
/ehDyn_SLPHwAuth_Uls_M_f32	0.26699999
/ehDyn_SLPHwPos_HwDeg_M_f32	-768.349976
/ehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
x_HiSpdVDAuthority_Uls_f32	1
c_HwTqMgnThd_HwNm_f32	1
_LoSpdVDAuthority_Uls_f32	0
	702
s_SrlHwAgVldTiThd_mS_u32	
 _SysKinRatio_MtrDegpHwDeg_f32	52





target_Re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_mS_u32_CurrentTime_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CowEOT_HwDeg_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32_target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32_target_VehDyn_Per	Name	Input Value		
larget Ric Call Ap, VehDyn, SystemTime, DitmcBlapsedTime, ms_u32_ElapsedTime SystemTime Sy		•		
target_Ric_Cait_AD_VehDpn_SystemTime_GetSystemTime_getSu2_CurrentTime				
target_Re_Inst_Ap_VehDyn_VehDyn_Pert_CwEOT_HwDeg_32 target_VehDyn_Pert_Morore_HwNin_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Morore_HwNin_132 target_VehDyn_Pert_Morore_HwNin_132 target_VehDyn_Pert_Morore_HwNin_132 target_VehDyn_Pert_Morore_HwNin_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Morore_HwNin_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Morore_HwNin_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Morore_HwNin_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Sensores_Authority_Us_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Sensores_Authority_Us_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Sensores_Authority_Us_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Sensores_Authority_Us_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_Sensores_Authority_Us_132 target_VehDyn_Pert_Sensores_Authority_Us_132 target_VehDyn_Pert_Sensores_Authority_Us_133 target_VehDyn_Pert_Sensores_Authority_Us_133 target_VehDyn_Pert_Sensores_Authority_Us_133 target_VehDyn_Pert_Sensores_Authority_Us_133 target_VehDyn_Pert_Sensores_Authority_Us_133 target_VehDyn_Pert_Sensores_Authority_Us_133 target_VehDyn_Pert_S		target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_A_VehDyn_VehDyn_Pert_MotorVeiCRF_MirRadpS_[32] target_VehDyn_Pert_MotorVeiCRF_MirRadpS_[32] target_VehDyn_Pert_ReithVeb_g_122 target_VehDyn_Pert_VehDyn_Pert_ReithVeb_g_122 target_VehDyn_Pert_Pert_Pert_Pert_Pert_Pert_Pert_Pert				
target_Re_Inst_Ao_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_132 target_Re_Inst_Ao_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_132 target_Re_Inst_Ao_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_132 target_Re_Inst_Ao_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_132 target_VehDyn_Per1_SensoriessAuthority_Uis_132 target_Re_Inst_Ao_VehDyn_VehDyn_Per1_Sirl+wAgVid_Cnt_Igo target_Re_Inst_Ao_VehDyn_VehDyn_Per1_Sirl+wAgVid_Cnt_Igo target_VehDyn_Per1_Sirl+wAgVid_Cnt_Igo target_Re_Inst_Ao_VehDyn_VehDyn_Per1_VehicleSpeed_Rel_132 target_VehDyn_Per1_Sirl+WAgVid_Cnt_Igo target_VehDyn_Per1_Sirl+WAgVid_Cnt_Igo target_VehDyn_Per1_Sirl+WAgVid_Cnt_Igo target_VehDyn_Per1_VehicleSpeed_Rel_132 target_V		target_VehDyn_Per1_HwTorque_HwNm_f32		
	target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32			
target_Re_Inst_Ap_VehDyn.VehDyn_Perf_SensorlessHwPos_HwDeg_f32 target_VehDyn_Perf_SensorlessHwPos_HwDeg_f32 target_Re_Inst_Ap_VehDyn.VehDyn_Perf_SrithwAgVid_Cnt_lgo target_Re_Inst_Ap_VehDyn.VehDyn_Perf_SrithwAgVid_Cnt_lgo target_VehDyn_Perf_SrithwAgVid_Cnt_lgo sarget_VehDyn_Perf_SrithwAgVid_Cnt_lgo sarget_VehDyn_Perf_SrithwAgVid_Cnt_lgo sarget_VehDyn_Perf_SrithwAgVid_Cnt_lgo sarget_VehDyn_Perf_SrithwAgVid_Cnt_lgo sarget_VehDyn_Perf_SrithwAgVid_Cnt_lgo sarget_VehDyn_Perf_NehortvetCRF_MitradpS_f32_value sarget_VehDyn_Perf_ReiHwPos_HwDeg_f32_value sarget_VehDyn_Perf_SrithwAgVid_Cnt_lgo.value Sarget_VehDyn_Perf_SrithwAgVid_Cnt_lgo.value Sarget_VehDyn_Perf_SrithwAgVid_Cnt_lgo.value Sarget_VehDyn_Perf_TorqueCmdCRF_Mitrim_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_TorqueCmdCRF_Mitrim_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Perf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Derf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Derf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Derf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Derf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Derf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Derf_VehicleSpeed_Kpf_f32_value Sarget_VehDyn_Derf_VehicleSpeed_Kpf_f32_value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3:	2	
target_Re_inst_Ap_VehDyn_Per1_SrithwAgVid_Cnt_lgc target_Re_inst_Ap_VehDyn_Per1_SrithwAg_HbDeg_f32 target_Re_inst_Ap_VehDyn_VehDyn_Per1_SrithwAg_HbDeg_f32 target_Re_inst_Ap_VehDyn_VehDyn_Per1_SrithwAg_HbDeg_f32 target_Re_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Re_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_CowEOT_HwDeg_f32_value target_VehDyn_Per1_CowEOT_HwDeg_f32_value target_VehDyn_Per1_CowEOT_HwDeg_f32_value target_VehDyn_Per1_Moroque_HwNim_f32_value target_VehDyn_Per1_HwTorque_HwNim_f32_value target_VehDyn_Per1_HwTorque_HwNim_f32_value target_VehDyn_Per1_HwTorque_HwNim_f32_value target_VehDyn_Per1_HwDeg_f32_value target_VehDyn_Per1_HwDeg_f32_value target_VehDyn_Per1_SrithwAg_HwDeg_f32_value target_VehDyn_Per1_SrithwAg_HwDeg_f32_value target_VehDyn_Per1_SrithwAg_HwDeg_f32_value target_VehDyn_Per1_SrithwAg_HwDeg_f32_value target_VehDyn_Per1_SrithwAg_HwDeg_f32_value target_VehDyn_Per1_SrithwAg_HwDeg_f32_value target_VehDyn_Per1_SrithwAg_HwDeg_f32_value target_VehDyn_Per1_SrithwAg_HwDeg_f32_value target_VehDyn_Per1_VehicleSpeed_Vehf_f12_value target_VehDyn_Per1_VehicleSpeed_Vehf_f12_value target_VehDyn_Per1_VehicleSpeed_Vehf_f12_value target_VehDyn_Per1_VehicleSpeed_Vehf_f12_value target_VehDyn_Per1_VehicleSpeed_Vehf_f12_value target_VehDyn_AutoCntrDetSped_M_str.Timer1_mS_u32 theDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 theDyn_AutoCntrDetSpd_M_str.T	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	lls_f32	
target_Re_Inst_Ap_VehDyn_VehDyn_Perl_SrithwAg_HwDeg_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Perl_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Perl_VehicleSpeed_Kip_f32 target_VehDyn_Perl_VehicleSpeed_Kip_f32 target_VehDyn_Perl_CwEOT_HwDeg_f32.value 937.349976 target_VehDyn_Perl_CwEOT_HwDeg_f32.value 1247.80005 target_VehDyn_Perl_MwTorque_HwMm_f32.value 2 target_VehDyn_Perl_MwTorque_HwMm_f32.value 2 target_VehDyn_Perl_MwTorque_HwMm_f32.value 887.599976 target_VehDyn_Perl_MwTorque_HwMm_f32.value 1590.80005 target_VehDyn_Perl_ShirwAg_HwDeg_f32.value 1590.80005 target_VehDyn_Perl_ShirwAg_HwDeg_f32.value 0 target_VehDyn_Perl_ShirwAg_HwDeg_f32.value 55999999 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f32.value 55999999 target_VehDyn_Perl_VehicleSpeed_Kph_f32.value 230.86995 Name Actual Value Expected Value Ret VehDyn_AllorChtDetSpd_M_str.Timer_B_u32 2553168835 2553168835 VehDyn_AutoCntrDetSpd_M_str.Timer_B_u32 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uis_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCnt	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehDyn_Pert_VehicleSpeed_Kph_f32 starget_VehDyn_Pert_V	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_VehDyn_Per1_kwTorque_HwNm_f32_value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3:	2	
target_VehDyn_Per1_HwTorque_HwNm_r32.value 2 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_r32.value -897.599976 target_VehDyn_Per1_RelHwPos_HwDeg_r32.value 1590.80005 target_VehDyn_Per1_SriHwAg_HwDeg_r32.value 0 target_VehDyn_Per1_SriHwAg_HwDeg_r32.value -768.349976 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_r32.value 5.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc_value 0 target_VehDyn_Per1_VehicleSpeed_Kpf_r32.value 230.869995 Name Actual Value Expected Value Ret VehDyn_Allochtr_Cnt_M_lgc 1 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835 2553156835 2553156835 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948758 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-937.349976		
target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32.value 897.599976 target_VehDyn_Pert_RelHwPos_HwDeg_f32.value 1590.80005 target_VehDyn_Pert_SrlHwAgVId_Cnt_Igc.value 0 target_VehDyn_Pert_SrlHwAgVId_Cnt_Igc.value -768.349976 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32.value 5.5999999 target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc.value 0 target_VehDyn_Pert_VehicleSpeed_Kph_f32.value 230.869995 Name Actual Value Expected Value Ret VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835 2553156835 2553156835 VehDyn_AutoCntrDetSpd_M_str.RileHwPosFilitSV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Riler_Installe_Cnt_Igc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter_Installe_Cnt_Igc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter_Installezed_Cnt_Igc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter_Installezed_Cnt_Igc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 1590.8	target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1247.80005		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1590.80005 target_VehDyn_Per1_SrlHwAg/Id_Cnt_lgc.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -768.349976 target_VehDyn_Per1_TorqueCmdCRF_MrtNm_f32.value 5.5999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 0 Name Actual Value Expected Value Res VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 1 1 1 VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 1 VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835 2553156835 2553156835 2553156835 2553156835 3174948758 3174948758 3174948758 3174948758 3174948758 3174948758 3174948758 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FilterPable_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1_msi_us2 2659241984 2659241984 2659241984	target_VehDyn_Per1_HwTorque_HwNm_f32.value	2		
target_VehDyn_Per1_SriHwAg/Vi_Cnt_igc_value	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_SriHwAg_HwDeg_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1590.80005		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 value	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 230.869995 Name Actual Value Expected Value Res VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835 2553156835 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2659241984 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn	target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-768.349976		
Name Actual Value Expected Value Res VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835 2553156835 2553156835 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3174948758 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCnttrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCnttrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCnttrHiSpd_M_str.Timer2_mS_u32 2659241984 2659241984 VehDyn_AutoCnttrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCnttrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCnttrHiSpd_M_str.Filter1Enable_Cnt_lgc/	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
Name Actual Value Expected Value Res VehDyn_AllowHiSpdAutoCntr_Cnt_M_gc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835 2553156835 2553156835 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948758 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Imable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Imable_Cnt_lgc 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lg	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835 2553156835 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0	target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.869995		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2553156835 2553156835 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 <td>Name</td> <td>Actual Value</td> <td>Expected Value</td> <td>Result</td>	Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2659241984 2659241984 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 3174948758 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f321590.800051590.80005 ± 0.009VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc00VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc00VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc00	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
7 7 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1	VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
	VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2659241984 2659241984	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948758 3174948758	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1590.80005 1590.80005 ± 0.009	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 0		0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1				~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc			~
VehDyn_HiSpdLearnt_Cnt_M_lgc 0				~
VehDyn_Initialize_Cnt_M_Igc 1				~
VehDyn_LoSpdLearnt_Cnt_M_lgc 0				~
VehDyn_MaxOffset_HwDeg_M_f32 1247.80005 1247.80005				~
VehDyn_MinOffset_HwDeg_M_f32 -937.349976	7 =			~
VehDyn_PinTrqSV_M_str.SV_Uls_f32 1.50024426 1.50024426 ± 0.000009				~
VehDyn_SrlHwAgVldTimer_mS_M_u32 3039943680 3039943680				~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.26699999 0.26699999 ± 0.004				~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value 822.450073 822.450012 ± 0.1	torget Vehlag Bert Concertoes Hughes Hughes 122 value	822.450073	822.450012 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~



est Step 2.97 (Repeat Count = 1)	
ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	14442
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
	0.000812000013
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2760420809
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1341.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000600000028
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1341.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000192000007
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.74000005e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1341.30005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000812000013
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
enDyn_AutoCntrLoSpd_M_str.Filter2Eriable_Cnt_lgc	0
ehDyn_AutoChtrLoSpd_W_str.Filter1Initialized_Cht_igc	0
	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	
ehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	773.51001
ehDyn_MinOffset_HwDeg_M_f32	-897.75
ehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403000013
ehDyn_SLPHwAuth_Uls_M_f32	0.284000009
ehDyn_SLPHwPos_HwDeg_M_f32	-758.090027
ehDyn SrlHwAgVldTimer mS M u32	1316564736
	0
, - ,	
_HiSpdVDAuthority_Uls_f32	
HiSpdVDAuthority_Uls_f32 _HwTqMgnThd_HwNm_f32	1.5
_HiSpdVDAuthority_Uls_f32	





Name	Input Value		
k_TravelXCDeadband_Uls_f32	85.7799988		
k_TravelXCHwAuthority_Uls_f32	0.114624999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
target_GetSystemTime_mS_u32_CurrentTime	2942063360		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTiretarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target VehDyn Per1 SrlHwAg HwDeg f33		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	·Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-931.090027		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1258.70703		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.20000005		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-758.090027		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.070007		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360	2942063360	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0	0 0 0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1	0 0 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0 0 1 2760420809	0 0 0 1 2760420809	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 0 1 2760420809 3382212733	0 0 0 1 2760420809 3382212733	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 0 1 2760420809 3382212733 1341.30005	0 0 0 1 2760420809 3382212733 1341.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 1 2760420809 3382212733 1341.30005	0 0 1 2760420809 3382212733 1341.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 1 2760420809 3382212733 1341.30005 0	0 0 0 1 2760420809 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 1 2760420809 3382212733 1341.30005 0	0 0 1 2760420809 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009	
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VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1 2760420809 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 0 0 0 0	0 0 0 0 1 2760420809 3382212733 1341.30005 ± 0.009 0 1 1 0 0 2760420809 3382212733 1341.30005 ± 0.009 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.ids2V_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 0 1 2760420809 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 0 0 0	0 0 0 0 1 2760420809 3382212733 1341.30005 ± 0.009 1 1 0 0 2760420809 3382212733 1341.30005 ± 0.009 0 1 1 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 0 1 2760420809 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 0 0 0	0 0 0 0 1 1 2760420809 3382212733 1341.30005 ± 0.009 1 1 1 0 0 2760420809 3382212733 1341.30005 ± 0.009 1 1 1 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1 2760420809 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1	0 0 0 0 1 2760420809 3382212733 1341.30005 ± 0.009 0 1 1 0 0 0 0 0 0 1 1 1 1 1 1 82.5930023	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 0 0 1 2760420809 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 1 1 0 0 1 1 1 1 -82.5930176 -897.75	0 0 0 0 1 2760420809 3382212733 1341.30005 ± 0.009 1 341.30005 ± 0.009 0 1 1 0 0 0 0 0 1 1 1 1 1 -82.5930023 -897.75	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_NaxOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 0 0 1 2760420809 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 1 1 1 0 0 0 1 1 1 1 -82.5930176 -897.75 -1.59865212	0 0 0 0 1 2760420809 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 0 0 0 0 1 1 1 1 1 -82.5930023 -897.75 -1.59865212 ± 0.000009	

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Fest Step 2.98 (Repeat Count = 1)	Innut Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn /ehDyn AllowHiSpdAutoCntr Cnt M Igc	target_Rte_Inst_Ap_VehDyn 0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoChtrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
ehDyn_AutoCntrDetSpd_M_str.Timer2+friesh_fri5_u10	0
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehbyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	0
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
'ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	0
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	0
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
ehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	-2840
ehDyn_MinOffset_HwDeg_M_f32	-1440.10999
ehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
ehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
ehDyn_SLPHwAuth_Uls_M_f32	0
/ehDyn_SLPHwPos_HwDeg_M_f32	-1600
/ehDyn_SrlHwAgVldTimer_mS_M_u32	0
_HiSpdVDAuthority_Uls_f32	0
HwTqMgnThd_HwNm_f32	0
_LoSpdVDAuthority_Uls_f32	0
SrlHwAgVldTiThd mS u32	0





Name	Input Value		
k_SysKinRatio_MtrDegpHwDeg_f32	1		
k_TravelXCDeadband_Uls_f32	0		
k_TravelXCHwAuthority_Uls_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32	_	
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target VehDyn Per1 SensorlessAuthority U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	_	
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target VehDyn Per1 SrlHwAgVld Cnt Igc	9	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	,
	U	0	•
VehDvn AutoCntrDetSnd M str Filter1Initialized Cnt Inc	0	0	J
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str_Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 0	0 0 0	, ,
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 0 -1600	0 0 0 -1600 ± 0.009	, ,
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 -1600 -1600	0 0 0	\rightarrow \frac{1}{2}
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 0 -1600	0 0 0 -1600 ± 0.009 -1600 ± 0.009	~ ~ ~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 -1600 -1600 0	0 0 0 -1600 ± 0.009 -1600 ± 0.009	\rightarrow \frac{1}{2}
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 0 0 -1600 -1600 0	0 0 0 -1600 ± 0.009 -1600 ± 0.009 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 -1600 -1600 0 0	0 0 0 -1600 ± 0.009 -1600 ± 0.009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 -1600 -1600 0 0	0 0 0 -1600 ± 0.009 -1600 ± 0.009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 -1600 -1600 0 0 0	0 0 -1600 ± 0.009 -1600 ± 0.009 0 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 0 0 -1600 -1600 0 0 0	0 0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 0 -1600 -1600 0 0 0 0 0 0	0 0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 0 -1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 -1600	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 0 0 0 0 0 1600 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 -1600 -1600 0 0 0 0 0 0 0 -1600 -1600 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0 0	0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 0 0 -1600 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 0 -1600 -1600 0 0 0 0 0 -1600 -1600 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 0 -1600 -1600 0 0 0 0 0 -1600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 0 0 -1600 -1600 0 0 0 0 0 0 -1600 -1600 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 0 -1600 -1600 0 0 0 0 0 0 0 -1600 0 0 0 0 0 0 1600 0 0 0 10 0 0 10 0 10 10 10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	0 0 0 -1600 -1600 0 0 0 0 0 0 0 0 0 -1600 0 0 0 0 0 0 1 0 0 0 1 0 360 -1440.10999 -18.7999992	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_SrlHwAgVIdTimer_mS_M_u32	0 0 0 -1600 -1600 0 0 0 0 0 0 0 0 0 -1600 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 1 1 0 360 -1440.10999 -18.7999992	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	0 0 0 -1600 -1600 0 0 0 0 0 0 0 0 0 -1600 0 0 0 0 0 0 1 0 0 0 1 0 360 -1440.10999 -18.7999992	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Fest Step 2.99 (Repeat Count = 1)	Invest Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	1600
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	1440.10999
ehDyn_MinOffset_HwDeg_M_f32	2840
ehDyn_PinTrqSV_M_str.SV_UIs_f32	18.7999992
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
ehDyn_SLPHwAuth_Uls_M_f32	1
ehDyn_SLPHwPos_HwDeg_M_f32	1600
ehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
_HiSpdVDAuthority_Uls_f32	1
_HwTqMgnThd_HwNm_f32	10
_LoSpdVDAuthority_Uls_f32	1





Name	Input Value		
k_SrlHwAgVldTiThd_mS_u32	100000		
k SysKinRatio MtrDegpHwDeg f32	100		
k_TraveIXCDeadband_Uls_f32	100		
k TravelXCHwAuthority Uls f32	1		
target DtrmnElapsedTime mS u32 ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg	132	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360	·	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999		
target VehDyn Per1 HwTorque HwNm f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118		
target VehDyn Per1 RelHwPos HwDeg f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target VehDyn Per1 SrlHwAg HwDeg f32.value	1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	Kesuit
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	_
VehDyn AutoCntrHiSpd M str.Timer2 mS u32			
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1/20/1067205	4204067205	
	4294967295	4294967295 1600 + 0.009	
, _	1600	1600 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600 1600	1600 ± 0.009 1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1600 1600 0	1600 ± 0.009 1600 ± 0.009 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1600 1600 0 1	1600 ± 0.009 1600 ± 0.009 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1600 1600 0 1 1	1600 ± 0.009 1600 ± 0.009 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1600 1600 0 1 1 1	1600 ± 0.009 1600 ± 0.009 0 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1600 1600 0 1 1 1 1 4294967295	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1600 1600 0 1 1 1 1 4294967295 4294967295	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600 1600 0 1 1 1 1 4294967295 4294967295 1600	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600 1600 0 1 1 1 1 4294967295 4294967295 1600	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1 1 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1 1 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 1 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_IiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1 1 1 1 1 1 1 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_IsipdLearn_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1 1 1 1 1 1 1 1 1 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 1 4294967295 4294967295 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	1600 1600 0 1 1 1 1 4294967295 4294967295 1600 1600 1 1 1 1 1 1 1 1 18.7890587	1600 ± 0.009 1600 ± 0.009 0 1 1 1 1 4294967295 4294967295 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1 18 1 18 18 18 18 18	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_IsipdLearn_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1600 1600 0 1 1 1 4294967295 4294967295 1600 1600 1 1 1 1 1 1 1 1 1 1	1600 ± 0.009 1600 ± 0.009 0 1 1 1 1 4294967295 4294967295 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1	~



Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.100 (Repeat Count = 1)	
ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000828000018
ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	18
ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	12
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh mS u16	2291
	58929
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1024
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000615999976
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000224000003
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19.2999992
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
ehDyn HiSpdLearnt Cnt M Igc	1
ehDyn Initialize Cnt M Igc	1
ehDyn_mttalize_cnc_m_gc	1
ehDyn MaxOffset HwDeg M f32	813.445984

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Name	Input Value		
VehDyn_MinOffset_HwDeg_M_f32	-844.278015		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410999986		
VehDyn_SLPHwAuth_Uls_M_f32	0.419999987		
VehDyn_SLPHwPos_HwDeg_M_f32	-676.01001		
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432		
k_HiSpdVDAuthority_UIs_f32	2.0999999		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	52.5		
k TravelXCDeadband Uls f32	77.5400009		
k_TravelXCHwAuthority_UIs_f32	0.124425001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008		
target_GetSystemTime_mS_u32_CurrentTime	2127166208		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime	П 123		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	954802432		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_venDyn.VenDyn_Peri_SensonessHwPos_HwDeg_132 target_Rte_Inst_Ap_vehDyn.VehDyn_Peri_SrlHwAgVld_Cnt_lgc	target VehDyn Per1 SrlHwAgVld Cnt lgc	100g_102	
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-881.01001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.79999995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-676.01001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	7.80000019 1		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	7.80000019 1 45.4099998	Expected Value	Poguit
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	7.80000019 1	Expected Value	Result
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	7.80000019 1 45.4099998 Actual Value	•	Result
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	7.80000019 1 45.4099998 Actual Value 0	0	Result
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	7.80000019 1 45.4099998 Actual Value 0 2127166208	0 2127166208	Result
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	7.80000019 1 45.4099998 Actual Value 0 2127166208 4290967295	0 2127166208 4290967295	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0	0 2127166208 4290967295 0 ± 0.000009	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0	0 2127166208 4290967295 0 ± 0.000009 0 ± 0.000009 0	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0 1	0 2127166208 4290967295 0 ± 0.000009 0 ± 0.000009 0	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0 1	0 2127166208 4290967295 0±0.000009 0±0.000009 0	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0 1 1 1 1024	0 2127166208 4290967295 0±0.000009 0±0.000009 0 0	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0 1 1 1 1024 4290967295	0 2127166208 4290967295 0±0.000009 0±0.000009 0 1 1 1 1024 4290967295	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 1 1 1 1024 4290967295 0	0 2127166208 4290967295 0±0.000009 0±0.000009 0 1 1 1 1024 4290967295 0±0.000009	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 1 1 1 1024 4290967295 0 0	0 2127166208 4290967295 0±0.000009 0 0 1 1 1 1024 4290967295 0±0.000009 0±0.000009 0±0.000009	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 1 1 1 1024 4290967295 0 0 1	0 2127166208 4290967295 0±0.000009 0±0.000009 0 1 1 1 1024 4290967295 0±0.000009 0±0.000009	
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target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0 1 1 1 1024 4290967295 0 0 1 1 1 1 0 1024 4290967295 0 0 1 1 1 1 1 1 0 1024 4290967295 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2127166208 4290967295 0 ± 0.000009 0 ± 0.000009 0 1 1 11024 4290967295 0 ± 0.000009 1 1 1 1 0 1024 4290967295 0 ± 0.000009 1 1 1 1 0 1024 4290967295 0 ± 0.000009 1 1 1 1 1 0 1024 1 1 1 1 0 1024 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0 1 1 1 1024 4290967295 0 0 1 1 1 1 0 1024 4290967295 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2127166208 4290967295 0 ± 0.000009 0 ± 0.000009 0 1 1 1 1024 4290967295 0 ± 0.000009 1 1 1 1 0 1024 4290967295 0 ± 0.000009 1 1 1 1 1 0 1024 4290967295 0 ± 0.000009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enitialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetBpd_Allogc VehDyn_AutoCntr_Off_Set_HwDeg_M_f32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0 1 1 1 1024 4290967295 0 0 1 1 1 1 0 1024 4290967295 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2127166208 4290967295 0 ± 0.000009 0 ± 0.000009 0 1 1 1 1024 4290967295 0 ± 0.000009 1 1 1 1 0 1024 4290967295 0 ± 0.000009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	7.8000019 1 45.4099998 Actual Value 0 2127166208 4290967295 0 0 0 1 1 1 1024 4290967295 0 0 1 1 1 1 0 1024 4290967295 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2127166208 4290967295 0 ± 0.000009 0 ± 0.000009 0 1 1 1 1024 4290967295 0 ± 0.000009 1 1 1 1 0 1024 4290967295 0 ± 0.000009 1 1 1 1 1 0 1024 4290967295 0 ± 0.000009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-897.609985	-897.609985 ± 0.1	✓

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.101 (Repeat Count = 1)	Input Value
me	•
mnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
tSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
e_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	62.5099983
hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.5
hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.5
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.5
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000844000024
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000844000024
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.200012
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.399994
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
hDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	21364
hDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	52716
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000631999981
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000255999999
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.5999985
· - · · · -	246.100006
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	2.5999999
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999 41.0999985
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.37999983e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000844000024
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_ForceCenterEnabled_Cnt_M_lgc	1
hDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	853.382019		
VehDyn_MinOffset_HwDeg_M_f32	-790.80603		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000418999989		
VehDyn SLPHwPos HwDeg M f32	-593.929993		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392		
k HiSpdVDAuthority UIs f32	0.119999997		
k_HwTqMgnThd_HwNm_f32	0.119999997		
k LoSpdVDAuthority UIs f32	0.800000012		
k SrlHwAgVldTiThd mS u32	45		
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004		
k_TravelXCDeadband_Uls_f32	69.3000031		
k_TravelXCHwAuthority_Uls_f32	0.134224996		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2430672128		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	2728878080		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	1736795392		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -830.929993	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1433.21899		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.400001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
	-593.929993		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-593.929993 1.29999995		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-593.929993 1.29999995		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1.29999995		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995	Expected Value	Result
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	1.29999995 1 369.75	Expected Value	Result
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1.29999995 1 369.75 Actual Value	·	Result
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	1.29999995 1 369.75 Actual Value	1	~
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1.29999995 1 369.75 Actual Value 1 2138628886	1 2138628886	~
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733	1 2138628886 3382212733	•
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002	1 2138628886 3382212733 -880.02002 ± 0.0009	•
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0	
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0	
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0 1 824746752 3382212733 -880.02002 ± 0.0009	
target_VehDyn_Per1_SrIHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 -880.02002 -880.02002	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0 1 824746752 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009	
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 -880.02002 -880.02002 0	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0 1 824746752 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009	
target_VehDyn_Per1_SrIHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initalized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initalized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 -880.02002 -880.02002 0 1	1 2138628886 3382212733 -880.02002 ± 0.0009 0 0 0 1 824746752 3382212733 -880.02002 ± 0.0009 0 1	
target_VehDyn_Per1_SrIHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 -880.02002 -880.02002 -880.02002	1 2138628866 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0 1 824746752 3382212733 -880.02002 ± 0.0009 0 1 1 1 1	
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target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 0 1 1 1 0 2138628886 3382212733 448.5 -880.02002 1 0 0 0 1 1 1 1 0	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0 1 824746752 3382212733 -880.02002 ± 0.0009 0 1 1 1 0 2138628886 3382212733 448.5 ± 0.0009 -880.02002 ± 0.0009 1 0 0 1 0 0 1 1 1 0 0 1 1 1 1 1 0 1	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 0 1 1 1 0 2138628886 3382212733 448.5 -880.02002 1 0 0 1 1 1 1 1 1	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0 1 824746752 3382212733 -880.02002 ± 0.0009 0 1 1 1 0 2138628886 3382212733 448.5 ± 0.0009 -880.02002 ± 0.0009 1 0 0 1 1 1 0 0 1 1 1 1 1 1	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	1.29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 0 1 1 1 0 2138628886 3382212733 448.5 -880.02002 1 0 0 0 1 1 1 1 0	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0 1 824746752 3382212733 -880.02002 ± 0.0009 0 1 1 1 0 2138628886 3382212733 448.5 ± 0.0009 -880.02002 ± 0.0009 1 0 0 1 0 0 1 1 1 0 0 1 1 1 1 0 1	





Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392	1736795392	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	620.209961	620.210022 ± 0.1	✓

Fest Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	•
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	·
	target_DtrmnElapsedTime_mS_u32_ElapsedTime
ietSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	662.400024
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.399994
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.400001
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43190
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000845999981
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000845999981
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000633999996
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000260000001
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	42.5999985
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-157.490005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.42000014e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1454.77002
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000845999981
ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lqc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_igc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2imitalized_Cnt_igc ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
enDyn_ForceCenterEnabled_Cnt_M_igc ehDyn_ForceCenterOffset_HwDeg_M_f32	-1400.31995

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	858.374023		
VehDyn_MinOffset_HwDeg_M_f32	-784		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000419999997 0.573000014		
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	-583.669983		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTgMgnThd_HwNm_f32	5.44999981		
k_LoSpdVDAuthority_Uls_f32	0.5		
k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	53.5		
k TravelXCDeadband Uls f32	68.2699966		
k_TravelXCHwAuthority_Uls_f32	0.135450006		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-824		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1427.65002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.410004 -1454.77002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-583.669983		
target_venDyn_ren_3iniwAg_nwbeg_i3z.value	5.599999		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.960007		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	resuit
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892860	2345892860	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1454.77002	-1454.77002 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	-
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32		309385728	→
	309385728		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3589476707 -157.490005	3589476707 -157.490005 ± 0.0009	7
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3589476707 -157.490005 -1454.77002	3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	3589476707 -157.490005 -1454.77002 0	3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	3589476707 -157.490005 -1454.77002 0	3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	3589476707 -157.490005 -1454.77002 0 1	3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	3589476707 -157.490005 -1454.77002 0 1 1	3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	3589476707 -157.490005 -1454.77002 0 1 1	3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	3589476707 -157.490005 -1454.77002 0 1 1 1 0	3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1 1 1 0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	3589476707 -157.490005 -1454.77002 0 1 1	3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	630.77002	630.77002	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8965578	13.8965578 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.5	0.5 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	0	0 ± 0.1	✓

Test Step Call Trace	est Step Call Trace			V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTim
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_ois_i32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Eriable_Cnt_lgc	0
/ehDyn_AutoChtrDetSpd_M_str.Filter2Initialized_Cht_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
	0
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
/enDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_132 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
/enDyn_AutoCntrLoSpd_M_str.VenSpd_kpn_132 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
	0
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	· ·
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 0

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn LoSpdLearnt Cnt M Igc	0		
VehDyn_MaxOffset_HwDeg_M_f32	-2840		
VehDyn MinOffset HwDeg M f32	-1440.10999		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006		
VehDyn_SLPHwAuth_Uls_M_f32	0		
VehDyn_SLPHwPos_HwDeg_M_f32	-1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	0		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	0		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVIdTiThd_mS_u32	1		
k_SysKinRatio_MtrDegpHwDeg_f32 k TravelXCDeadband Uls f32	0		
k TravelXCHwAuthority Uls f32	0		
target DtrmnElapsedTime mS u32 ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime	ri 0		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999	, _	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0	1=	<u> </u>
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✓
Valabour AutoCotal liCad M. atr Timor 2 mC 122	U	U	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 -1600	0 -1600 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 -1600 -1600	0 -1600 ± 0.009 -1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 -1600 -1600 0	0 -1600 ± 0.009 -1600 ± 0.009 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0 -1600 -1600 0	0 -1600 ± 0.009 -1600 ± 0.009 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0 -1600 -1600 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0 -1600 -1600 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 -1600 -1600 0 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 -1600 -1600 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 -1600 -1600 0 0 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 -1600 -1600 0 0 0 0 0 0 0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 -1600 -1600 0 0 0 0 0 0 0 -1600 -1600	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 -1600 -1600 0 0 0 0 0 0 0 -1600 -1600	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.0009 0	





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✓
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992	-18.7999992 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
setSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	138.100006
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997
ehDyn_AutoChtrDetSpd_M_str.FiltPinTrg_HwNm_f32	1.20000005
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.199969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
· - ·	3277
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809 54822322
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000850000011
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000638000027
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000268000003
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.70000005
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-293.049988
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000850000011

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	868.357971		
VehDyn_MinOffset_HwDeg_M_f32	-770.754028		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000422000012		
VehDyn_SLPHwAuth_Uls_M_f32	0.606999993		
VehDyn_SLPHwPos_HwDeg_M_f32	-563.150024		
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	1385		
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031		
k_TravelXCDeadband_Uls_f32	66.2099991		
k_TravelXCHwAuthority_Uls_f32	0.137899995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288		
target_GetSystemTime_mS_u32_CurrentTime	2942063360		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAg.HwDog. #20		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_C target_VehDyn_Per1_VehicleSpeed_Kph_fs		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-812.150024	52 -	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1416.51196		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-563.150024		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.75		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Resul
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2760420809	2760420809	
VehDyn AutoCntrDetSpd M str.Timer1_mS_us2 VehDyn AutoCntrDetSpd M str.Timer2 mS u32	54822322	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-293.049988	-293.049988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	,
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VohDun AutoCatrl oCad M atr Timord mc ::22	2042062260	2042062260	

2942063360

-293.049988

-293.049988

0

54822322

2942063360

-293.049988 ± 0.0009

-293.049988 ± 0.0009

54822322

0

VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc

VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	1416.51196	1416.51196	~
VehDyn_MinOffset_HwDeg_M_f32	-812.150024	-812.150024	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20116019	3.20116019 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816	463842816	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	907.450012	907.450012 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.105 (Repeat Count = 1)	
lame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000852000026
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	10
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	226.399994
ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	8
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	53970
ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	52282
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
ehDyn AutoCntrHiSpd M str.Timer2 mS u32	4004004656
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-627.179993
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000639999984
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000272000005
ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	98.8000031
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.300031
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	10.8000002
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	52.2999992
ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	38868
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	274107514
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	4004004656

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	873.349976		
VehDyn_MinOffset_HwDeg_M_f32	-764.070007		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00042299999		
VehDyn_SLPHwAuth_Uls_M_f32	0.624000013		
VehDyn_SLPHwPos_HwDeg_M_f32	-552.890015		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	1.5		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	744		
k_SysKinRatio_MtrDegpHwDeg_f32	32.5		
k_TravelXCDeadband_Uls_f32	65.1800003		
k_TraveIXCHwAuthority_UIs_f32	0.139125004		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	m #22	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3.		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeq_f32.value	-805.890015	2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1410.94299		
target VehDyn Per1 HwTorque HwNm f32.value	6.1999981		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993		
target VehDyn Per1 SrlHwAqVld Cnt lgc.value	1		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-552.890015		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.109985		
		Exposted Value	Dogula
Name VahDun AllaudiCadAutoCatr Cat M Iga	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	27/4107544	274107514	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514		Ž
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	- 4
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	V
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	· ·
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	2075080192		V
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32		2075080192	
	4004004656	4004004656	T





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	-
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	873.349976	873.349976	-
VehDyn_MinOffset_HwDeg_M_f32	-178.710022	-178.710007	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79938316	7.79938316 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568	1759885568	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	473.409973	473.410004 ± 0.1	~

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Jama	Innuit Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	662.400024
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.399994
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43190
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000845999981
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000845999981
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000633999996
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000260000001
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	96.6999969
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	42.599985
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.6999981
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.599985

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532		
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	27401		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.42000014e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000845999981		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn ForceCenterOffset HwDeg M f32	-1400.31995		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	858.374023		
VehDyn_MinOffset_HwDeg_M_f32	-784		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000419999997		
VehDyn_SLPHwAuth_Uls_M_f32	0.573000014		
VehDyn_SLPHwPos_HwDeg_M_f32	-583.669983		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	5.44999981		
k_LoSpdVDAuthority_Uls_f32	0.5		
k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	53.5		
k TravelXCDeadband Uls f32	68.2699966		
k TravelXCHwAuthority Uls f32	0.135450006		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	!	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	lls f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	-5_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target VehDyn Per1 SrlHwAg HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m f32	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc			
	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-824		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1427.65002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.410004		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1454.77002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-583.669983		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.960007		
		Expected Value	Dogult
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	J
			~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	V
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	858.374023	858.374023	✓
VehDyn_MinOffset_HwDeg_M_f32	630.77002	630.77002	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8965578	13.8965578 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.5	0.5 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	145.22998	145.229996 ± 0.1	~

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Jamo	Input Value
Name	•
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.400015
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.400001
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000855999999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.399994
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000644000014
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000280000007
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.3000031		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.3000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	39056 3174948758		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.3999998e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0 -900.77002		
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	883.333984		
VehDyn_MinOffset_HwDeg_M_f32	-750.702026		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000425000006		
VehDyn_SLPHwAuth_Uls_M_f32	0.657999992		
VehDyn_SLPHwPos_HwDeg_M_f32	-532.369995		
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	5.25		
k_LoSpdVDAuthority_UIs_f32	701		
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031		
k TravelXCDeadband Uls f32	63.1199989		
k_TraveIXCHwAuthority_UIs_f32	0.141574994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416		
target_GetSystemTime_mS_u32_CurrentTime	1736795392	1736795392	
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	1117112832		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_uss_uss_uss_uss_uss_uss_uss_uss_uss_uss$	4243378688		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority target VehDyn Per1 SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lg		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target VehDyn Per1 SrlHwAg HwDeg f3		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF M		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-793.369995		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1399.80505		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.5999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012		
target_VehDyn_Per1_SrlHwAgVid_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-532.369995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0 354.98999		
	Actual Value	Expected Value	Posul
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4290967295	4290967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4290967295	4290967295	

4290967295

4290967295





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1399.80505	1399.80505	~
VehDyn_MinOffset_HwDeg_M_f32	-793.369995	-793.369995	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59961939	7.59961939 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.657999992	0.657999992 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	199.330017	199.330002 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.108 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	96.0999985
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000858000014
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.199997
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	196
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	5.4000001
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	75
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	3186
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3382212733
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	1078320779
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-968.400024
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000645999971
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-968.400024
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000284000009

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.1999969		
VehDyn_AutoCotrl oSpd_M_str.VehSpd_kph_f32	246.199997 6.19999981		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969		
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	25532		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.42000014e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	888.325989		
VehDyn_MinOffset_HwDeg_M_f32	-744.018005		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000426000013 0.675000012		
VehDyn SLPHwPos HwDeg M f32	-522.109985		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208		
k HiSpdVDAuthority Uls f32	0		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	702		
k_SysKinRatio_MtrDegpHwDeg_f32	96.5		
k_TravelXCDeadband_Uls_f32	62.0900002		
k_TraveIXCHwAuthority_UIs_f32	0.142800003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000		
target_GetSystemTime_mS_u32_CurrentTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	3437401088		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3.	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg.HwDeg.f32		
· · · · · - · · · · · · · · · · ·	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-787.109985		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1394.23596		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-968.400024		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-522.109985		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.359985	Francisco d Malara	
Name VobDup AlloudiSpdAutoCate Cat M Ica	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0 3437401088	0 3437401088	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-968.400024	-968.400024 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1394.23596	1394.23596	~
VehDyn_MinOffset_HwDeg_M_f32	-787.109985	-787.109985	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50222075	1.50222075 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-167.540039	-167.539993 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.109 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206.199997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000647999987

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00028800001		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrl Spd_M_str.Filter2Initialized_Cnt_Igc	1 126.300003		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.30003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.44000029e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeq M f32	-700.950012		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn LoSpdLearnt Cnt M lgc	0		
VehDyn MaxOffset HwDeg M f32	893.317993		
VehDyn MinOffset HwDeg M f32	-737.333984		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426999992		
VehDyn_SLPHwAuth_Uls_M_f32	0.691999972		
VehDyn_SLPHwPos_HwDeg_M_f32	-511.850006		
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	703		
k_SysKinRatio_MtrDegpHwDeg_f32	32.099985		
k_TravelXCDeadband_Uls_f32	61.0600014		
k_TravelXCHwAuthority_Uls_f32 target DtrmnElapsedTime mS u32 ElapsedTime	0.144024998 662694400		
target_GetSystemTime_mS_u32_CurrentTime	3494315776		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	04	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-780.849976 1388.66699		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target VehDyn Per1 HwTorque HwNm f32.value	7		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.98999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	49.4199982		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-511.850006		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.900001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.769989		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	,
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	,
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	49.4199982	49.4199982 ± 0.00009	

49.4199982

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

49.4199982 ± 0.00009



Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1	✓ ×
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1	1	V
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3494315776	3494315776	~
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2138628886	2138628886	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	49.4199982	49.4199982 ± 0.00009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	893.317993	893.317993	~
VehDyn_MinOffset_HwDeg_M_f32	-737.333984	-737.333984	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.59626269	-1.59626257 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.691999972	0.691999972 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-462.429993	-462.429993 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.110 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3277





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Name Veh Dun AutoCatel ISand M. etc Timord, mS. v22	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682 2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-559.150024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000292000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.45999971e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978 1
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	-898.309998
VehDyn_MinOffset HwDeg M f32	-730.650024
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000427999999
VehDyn_SLPHwAuth_Uls_M_f32	0.708999991
VehDyn_SLPHwPos_HwDeg_M_f32	-501.589996
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	52.4000015
k_TravelXCDeadband_Uls_f32	60.0299988
k_TravelXCHwAuthority_Uls_f32	0.145249993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928
target_GetSystemTime_mS_u32_CurrentTime	463842816
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	3494315776
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_UIs_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_venicieSpeed_valid_cnt_igc target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_vehDyn_Per1_vehicleSpeedvalid_Cnt_lgc target_vehDyn_Per1_vehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-774.590027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1383.09802
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-559.150024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-501.589996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	62.1100006
Name	Actual Value Expected Value Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0 0
2 2 20	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816	463842816	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-898.309998	-898.309998	~
VehDyn_MinOffset_HwDeg_M_f32	-215.440002	-215.440002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7905388	-14.7905378 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.708999991	0.708999991 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1060.73999	-1060.73999 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.111 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000296000013
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	456.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	32.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	53.4000015
	37799
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.47999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	-903.302002
VehDyn_MinOffset_HwDeg_M_f32	-723.966003
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000429000007
VehDyn_SLPHwAuth_Uls_M_f32	0.726000011
VehDyn SLPHwPos HwDeg M f32	-491.329987
	3039943680
VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32	1
_ '	
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	59
k_TravelXCHwAuthority_Uls_f32	0.146475002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760
target_GetSystemTime_mS_u32_CurrentTime	1759885568
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	463842816
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime$	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-768.330017
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1377.52905
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	114.59998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	933.469971
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-491.329987
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.75





Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1377.52905	1377.52905	✓
VehDyn_MinOffset_HwDeg_M_f32	-768.330017	-768.330017	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7951984	17.7951984 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1434.59998	1434.59998 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.112 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000869999989	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000869999989	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	94.5	

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809 -1144.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000653999974
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000300000014
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.50000002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	-401.220001
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	908.294006
VehDyn_MinOffset_HwDeg_M_f32	-717.281982
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000429999985
VehDyn_SLPHwAuth_Uls_M_f32	0.742999971
VehDyn_SLPHwPos_HwDeg_M_f32	-481.070007
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0.100000001
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992
k_TravelXCDeadband_Uls_f32	57.9700012
k_TravelXCHwAuthority_Uls_f32	0.147699997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2836768512
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_venDyn.venDyn_Per1_Hw1orque_HwNm_t32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_inst_Ap_venDyn.venDyn_Peri_motorveiCRr_mtrRadpS_t32 target_Rte_inst_Ap_vehDyn.VehDyn_Peri_RelHwPos_HwDeg_t32	target_VehDyn_Per1_motorveiCRF_mtrkaopS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_venDyn.venDyn_Per1_ReinwPos_nwDeg_is2 target_Rte_Inst_Ap_venDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VenDyn_Per1_ReinwPos_nwDeg_is2 target_VenDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_0is_132 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_vehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-762.070007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1371.95996
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1144.59998
	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0





Name	Input Value		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.6599998		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_MaxOffset_HwDeg_M_f32	1371.95996	1371.95996	
VehDyn_MinOffset_HwDeg_M_f32	-762.070007	-762.070007	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.9935894	-6.9935894 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.100000001	0.100000001 ± 0.004	•
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	0	0 ± 0.1	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.113 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000872000004	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000655999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000303999986
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015
	116.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.400015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.52000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	913.286011
VehDyn MinOffset HwDeg M f32	-710.598022
VehDyn PinTrqSV M str.SV Uls f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000430999993
VehDyn SLPHwAuth Uls M f32	0.75999999
VehDyn SLPHwPos HwDeg M f32	-470.809998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	75.5
k_TravelXCDeadband_Uls_f32	56.9399986
k_TravelXCHwAuthority_Uls_f32	0.148925006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target GetSystemTime mS u32 CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-755.809998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1366.39099
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	91.0800018





Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-470.809998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.110001		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	913.286011	913.286011	~
VehDyn_MinOffset_HwDeg_M_f32	-710.598022	-710.598022	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59597659	-1.59597659 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	392.390015	392.390015 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.114 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
	l'
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000307999988
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	600.200012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.54000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	-918.278015
VehDyn_MinOffset_HwDeg_M_f32	-703.914001
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019
VehDyn PinTrqSV M str.K Uls f32	
	0.000432000001
VehDyn_SLPHwAuth_Uls_M_f32	0.77700001
VehDyn_SLPHwPos_HwDeg_M_f32	-460.549988
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	86.099985
k TravelXCDeadband Uls f32	55.909998
k TravelXCHwAuthority Uls f32	0.150150001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648
target_GetSystemTime_mS_u32_CurrentTime	2127166208
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime$	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-749.549988
0 _ / _ / _ / _ / _ / _ / _ / _ / _ / _	





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Name	Input Value		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1360.82202		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.880005		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1576.71997		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-460.549988		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.4500008		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892860	2345892860	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2553156835	2553156835	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1576.71997	1576.71997 ± 0.009	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1576.71997	1576.71997 ± 0.009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2967684784	2967684784	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✓
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1576.71997	1576.71997 ± 0.009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn Initialize Cnt M lgc	1	1	_
VehDyn LoSpdLearnt Cnt M Igc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015	-918.278015	_
VehDyn_MinOffset_HwDeg_M_f32	-703.914001	-703.914001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30075073	6.30075026 ± 0.000009	~
VehDyn SrlHwAgVldTimer mS M u32	954802432	954802432	✓
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.77700001	0.77700001 ± 0.004	_
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1116.16992	1116.17004 ± 0.1	✓
0 _			

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.115 (Repeat Count = 1)	variable and the second of
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00066000002 1347,40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 111
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000311999989
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Hiter2Initialized_Cnt_igc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.3999996
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	64.400015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.4000015
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	45.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.5599975e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	923.27002
VehDyn_MinOffset_HwDeg_M_f32	-697.22998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.199998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000433000008
VehDyn_SLPHwAuth_Uls_M_f32	0.79400003
VehDyn_SLPHwPos_HwDeg_M_f32	-450.290009
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	56.0999985
k_TravelXCDeadband_Uls_f32	54.8800011
k_TravelXCHwAuthority_UIs_f32	0.151374996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544
target_GetSystemTime_mS_u32_CurrentTime	4243378688
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	2127166208
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
	target VehDyn Dorf SengarlageAuthority IIIa f22
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_Torque(CmdCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_Vehicles	Speed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-743.289978		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1355.25305		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.19999981		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1347.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-450.290009		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.9799995		
Name	Actual Value	Expected Value	Resul
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4243378688	4243378688	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2760420809	2760420809	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1347.40002	1347.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002	1347.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	1	1	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	54822322	54822322	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3174948758	3174948758	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1347.40002	1347.40002 ± 0.009	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1347.40002	1347.40002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3174948758	3174948758	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1347.40002	1347.40002 ± 0.009	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1347.40002	1347.40002 ± 0.009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn Initialize Cnt M Igc	1	1	
VehDyn_Initialize_ent_M_igc	1	1	
VehDyn_Boopdccam_on_wi_igo VehDyn_MaxOffset_HwDeq_M_f32	1355.25305	1355,25305	
VehDyn_Maxonset_rwbcg_w_n22 VehDyn_MinOffset_Hwbcg_M_f32	-743.289978	-743.289978	
VenDyn_minoriset_nwbeg_m_132 VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1969271	15.1969271 ± 0.00009	
VehDyn_FillHq3v_M_sti.3v_0is_i32 VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1448.89001	1448.89001 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.116 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000315999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.1199989
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.1199989
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1200008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.1200027
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	255468
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.579999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn ForceCenterEnabled Cnt M Igc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-928.262024
VehDyn_MinOffset_HwDeg_M_f32	-690.546021
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000433999987
VehDyn_SLPHwAuth_Uls_M_f32	0.81099999
VehDyn_SLPHwPos_HwDeg_M_f32	-440.029999
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_UIs_f32	0
k SrlHwAgVldTiThd mS u32	70
k SysKinRatio MtrDegpHwDeg f32	54.4000015
	53.8499985
k_TravelXCDeadband_Uls_f32	
k_TraveIXCHwAuthority_UIs_f32	0.152600005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432
target_GetSystemTime_mS_u32_CurrentTime	1050692864
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueC	mdCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleS	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleS	peed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-737.030029		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1349.68396		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.39999962		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5500031		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	355.5		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-440.029999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.880005		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3382212733	3382212733	✓
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	355.5	355.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	~
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	0	0	✓
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn HiSpdLearnt Cnt M Igc	0	0	✓
VehDyn Initialize Cnt M Igc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn MaxOffset HwDeg M f32	1349.68396	1349.68396	~
VehDyn MinOffset HwDeg M f32	-737.030029	-737.030029	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9976301	13.9976301 ± 0.00009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	357.079987	357.079987 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.117 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992	

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Nome	Innut Value
Name VehDyn AutoCntrDetSpd M str.VehSpd kph f32	Input Value 226.300003
VehDyn AutoCntrDetSpd M str.FiltPinTrq HwNm f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
·	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000864000001
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	995.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000864000001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.TimerThresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.ReihwPosFilt1SV_HwDeg_str.Sv_Dis_132 VehDyn_AutoCntrHiSpd_M_str.ReihwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn AutoCntrhiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	995.5
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000319999992
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0.000319999992
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.2200012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2200012
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.2200003
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.2200012
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.60000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000864000001
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterCrisabled_Crit_M_igc VehDyn ForceCenterCrisabled_Crit_M_igc	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	933.254028
VehDyn_MinOffset_HwDeg_M_f32	-683.862
VehDyn PinTrqSV M str.SV Uls f32	-063.002 8.89999962
VehDyn PinTrqSV M str.K Uls f32	0.000434999994
VehDyn_SLPHwAuth_Uls_M_f32	0.828000009
VehDyn_SLPHwPos_HwDeg_M_f32	-429.769989
VehDyn_SrlHwAgVldTimer_mS_M_u32	-429.769989 824746752
k HiSpdVDAuthority Uls f32	824/46/52 0
k_HwTqMgnThd_HwNm_f32	6.099999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	85.4000015
k TravelXCDeadband Uls f32	52.8199997
k_TravelXCDeadband_UIs_132 k_TravelXCHwAuthority_UIs_132	0.153825
	170564352
target_DtrmnElapsedTime_mS_u32_ElapsedTime	
target_GetSystemTime_mS_u32_CurrentTime	3039943680
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_N	/trRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth	ority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwP	os_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cn	t_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDe	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF	_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVa	alid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_k	(ph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-730.77002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1344.11499		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.60000038		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	154		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	995.5		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	1		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-429.769989		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target VehDyn Per1 VehicleSpeed Kph f32.value	139.330002		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	•
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3796740682	3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	995.5	995.5 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	
	995.5	995.5 ± 0.0009	
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1	1	
VehDyn_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc			
VehDyn_AutoCottrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
7 - 7	1	1	
VehDyn_Initialize_Cnt_M_lgc			
VehDyn_LoSpdLearnt_Cnt_M_lgc	348.61499	1	
VehDyn_MaxOffset_HwDeg_M_f32		348.61499	•
VehDyn_MinOffset_HwDeg_M_f32	-683.862	-683.862	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89987659	8.89987755 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 ChecknointReached	1	_

897.169983

1 ± 0.004

897.169983 ± 0.1

Test Step 2.118 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Nama	Input Value
Name VehDvn AllowHiSpdAutoCntr Cnt M Igc	Input Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.2999995
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	71
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Llls_f32	-880.02002 0.000666000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000323999993
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.2999992
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.6200002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1 0
VehDyn_LoSpdLearnt_Cnt_M_lgc	938.245972
VehDyn_MaxOffset_HwDeg_M_f32	-677.177979
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000436000002
VehDyn SLPHwAuth Uls M f32	0.845000029
VehDyn_SLPHwPos_HwDeg_M_f32	-419.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_Uls_f32	0.300000012
k HwTqMgnThd HwNm f32	7.0999999
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	51.7900009
k_TravelXCHwAuthority_UIs_f32	0.155049995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608
target_GetSystemTime_mS_u32_CurrentTime	1316564736
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	3039943680
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hv	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_0	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_Hwl	Deg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdC	RF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeed	Valid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-724.51001			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1338.54602			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.80000019			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-419.51001			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.440002			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	Ī	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~	
VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~	
VehDyn_MaxOffset_HwDeg_M_f32	938.245972	938.245972	~	
VehDyn_MinOffset_HwDeg_M_f32	155.51001	155.509995	~	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.897769	13.897769 ± 0.00009	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728	309385728	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	-

-1078.26001

-1078.26001 ± 0.1

Test Step 2.119 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

 $target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value$

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Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000867999974
	-1454.77002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.1999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000668000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000327999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.400015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32	10.3999996
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VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.64000036e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	943.237976
VehDyn MinOffset HwDeg M f32	-670.494019
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00043700001
VenDyn_PirtrigSv_M_sir.k_ois_i32 VehDyn_SLPHwAuth_Uls_M_f32	0.86199989
,	
VehDyn_SLPHwPos_HwDeg_M_f32	-409.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0.40000006
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TraveIXCDeadband_Uls_f32	50.7599983
<_TravelXCHwAuthority_Uls_f32	0.156275004

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Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	1316564736		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	!	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-718.25		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1332.97705		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1454.77002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-409.25		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.850006		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1	
	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc			
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	,
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	255468	255468	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	V
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1332.97705	1332.97705	~
VehDyn MinOffset HwDeg M f32	-718.25	-718.25	•
		17 000E0740 + 0 000000	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80058718	7.80058718 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	•
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Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓



Test Step 2.120 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	38708
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000869999989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000869999989
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000331999996
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrl_oSpd_M_str.MtrVel_MtrRadpS_f32	66.199969
VehDyn_AutoCntrl_oSpd_M_str.VehSpd_kph_f32	76.1999969 2.20000005
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.199998
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.65999978e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	267.709991
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00086999989
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	948.22998
VehDyn_MinOffset_HwDeg_M_f32	-663.809998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000437999988
VehDyn_SLPHwAuth_Uls_M_f32	0.879000008
VehDyn_SLPHwPos_HwDeg_M_f32	-398.98999
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0.5
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	52.099985





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Name	Input Value			
k_TravelXCDeadband_Uls_f32	49.7299995			
k_TravelXCHwAuthority_UIs_f32	0.157499999	0.157499999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208			
target_GetSystemTime_mS_u32_CurrentTime	954802432			
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	2075080192			
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	954802432			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	dpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-711.98999			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1327.40796			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.19999981			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	267.709991			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-398.98999			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.769989			
Name	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	-	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	-	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631	4211268631		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	-	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	-	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	-	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	•	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	-	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	267.709991	267.709991 ± 0.0009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	0	0	•	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	954802432	954802432	-	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	•	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	267.709991	267.709991 ± 0.0009	j	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	0	0		
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1	1	j	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		
VehDyn HiSpdLearnt Cnt M Igc	0	0		
	1	1		
VehDyn_Initialize_Cnt_M_lgc	0	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc				
VehDyn_MaxOffset_HwDeg_M_f32	1327.40796	1327.40796		
VehDyn_MinOffset_HwDeg_M_f32	-711.98999	-711.98999	V	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20256662	3.20256662 ± 0.000009	•	
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	¥	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1	1 ± 0.004	_	
	-130.350006	-130.350006 ± 0.1	✓	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Fest Step 2.121 (Repeat Count = 1)	Innuit Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.1000004
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000872000004
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.199997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000671999995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000335999997
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.099985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.099985
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.1000004
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.67999993e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-953.221985		
VehDyn_MinOffset_HwDeg_M_f32	-657.125977		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000438999996		
VehDyn_SLPHwAuth_Uls_M_f32	0.896000028		
VehDyn_StHwPos_HwDeg_M_f32	-388.730011 2728878080		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32	0.200000003		
k_HwTqMgnThd_HwNm_f32	0.119999997		
k LoSpdVDAuthority Uls f32	1		
k SrlHwAqVldTiThd mS u32	32		
k_SysKinRatio_MtrDegpHwDeg_f32	41.5400009		
k TravelXCDeadband Uls f32	48.7000008		
k TravelXCHwAuthority Uls f32	0.158724993		
target DtrmnElapsedTime mS u32 ElapsedTime	4195077888		
target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	954802432		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-705.72998		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1321.83899		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.39999962		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988		
target_VehDyn_Per1_SrlHwAg.HwDeg. f32 value	-388.730011		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_10rqueCindCRr_withNin_i3z.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.049988		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	j
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-293.049988	-293.049988 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lqc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-293.049988	-293.049988 ± 0.0009	•
VonDyn_nateonarnopa_in_oa:naterrenasie_ont_ige	-293.049988 0	-293.049988 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc			
	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1	0 1 1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 0	0 1 1 0	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	0 1 1 0 383750110 2160073393 -293.049988	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 1 0 383750110 2160073393 -293.049988 -293.049988	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 1 1 0 383750110 2160073393 -293.049988 -293.049988	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 1 1 0 383750110 2160073393 -293.049988 -293.049988	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1 0 383750110 2160073393 -293.049988 -293.049988 1 0	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009 1 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 0 383750110 2160073393 -293.049988 -293.049988 1 0	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009 1 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1 1 0 383750110 2160073393 -293.049988 -293.049988 1 0	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009 1 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1 1 0 383750110 2160073393 -293.049988 -293.049988 1 0 0	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009 1 0 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 1 0 383750110 2160073393 -293.049988 -293.049988 1 0 0	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009 1 0 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 1 0 383750110 2160073393 -293.049988 -293.049988 1 0 0 0 1 1 1 1	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009 1 0 0 1 1 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 1 0 383750110 2160073393 -293.049988 -293.049988 1 0 0	0 1 1 0 383750110 2160073393 -293.049988 ± 0.0009 -293.049988 ± 0.0009 1 0 0	





Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-791.02002	-791.02002 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

lame	Input Value
htmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	182.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.5
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.5299988
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.1999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00067400001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.0033999999
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
	2.20000005
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.1999969
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.70000009e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn ForceCenterOffset HwDeg M f32	597.880005

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	958.213989		
VehDyn_MinOffset_HwDeg_M_f32	-650.442017		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000440000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.912999988		
VehDyn_StPHwPos_HwDeg_M_f32	-378.470001 824746752		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32	1		
k HwTgMgnThd HwNm f32	5.44999981		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	4891		
k_SysKinRatio_MtrDegpHwDeg_f32	63.5		
k TravelXCDeadband Uls f32	47.6699982		
k_TravelXCHwAuthority_Uls_f32	0.159950003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elapsed$	2728878080		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadi	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-699.469971		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1316.27002 9.60000038		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-174.199997		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-378.470001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.980011		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32		004746750	- 4
	824746752	824746752	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	824746752 54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	54822322 -174.199997	54822322 -174.199997 ± 0.0009	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	54822322 -174.199997 -174.199997	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009	\ \ \
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	54822322 -174.199997 -174.199997 0	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	54822322 -174.199997 -174.199997 0	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0	\ \ \
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	54822322 -174.199997 -174.199997 0 0	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	54822322 -174.199997 -174.199997 0 0	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322 -174.199997 -174.199997 0 0 1 1 824746752	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 1 824746752	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322 -174.199997 -174.199997 0 0 1 1 824746752 54822322	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 824746752 54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	54822322 -174.199997 -174.199997 0 0 1 824746752 54822322 -174.199997	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 824746752 54822322 -174.199997 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	54822322 -174.199997 -174.199997 0 0 1 824746752 54822322 -174.199997 -174.199997	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 824746752 54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	54822322 -174.199997 -174.199997 0 0 1 824746752 54822322 -174.199997 -174.199997	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 824746752 54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	54822322 -174.199997 -174.199997 0 0 1 824746752 54822322 -174.199997 -174.199997 0	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 824746752 54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	54822322 -174.199997 -174.199997 0 0 1 824746752 54822322 -174.199997 -174.199997 0 1	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 824746752 54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	54822322 -174.199997 -174.199997 0 0 1 824746752 54822322 -174.199997 -174.199997 0 1 1	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 824746752 54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	54822322 -174.199997 -174.199997 0 0 1 824746752 54822322 -174.199997 -174.199997 0 1	54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 0 0 1 824746752 54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	54822322 -174.199997 -174.199997 0 0 1 824746752 54822322 -174.199997 0 1 1 1	54822322 -174.199997 ± 0.0009 0 0 0 1 824746752 54822322 -174.199997 ± 0.0009 -174.199997 ± 0.0009 1 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-525.269958	-525.27002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.60091877	7.60091877 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-772.080017	-772.080017 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	202.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.099985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000875999976
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.2000008
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.5
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63
ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	43190
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2345892860
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000676000025
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000344
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
enDyn_AutoCntrHispd_M_str.MtrVel_MtrRadpS_f32	120.300003
enDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	106.300003
	8.3000019
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.2999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.72000024e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0





Nama	Input Value		
Name Valabura AutoCatal aSad M. eta Filtard Initializad. Cet. Inc.	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn ForceCenterOffset HwDeg M f32	697.789978		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn Initialize Cnt M Igc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-963.205994		
VehDyn_MinOffset_HwDeg_M_f32	-643.757996		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000441000011		
VehDyn_SLPHwAuth_Uls_M_f32	0.930000007		
VehDyn_SLPHwPos_HwDeg_M_f32	-368.209991		
VehDyn SrlHwAgVldTimer mS M u32	123		
k_HiSpdVDAuthority_Uls_f32	0		
k HwTqMgnThd HwNm f32	6.32000017		
_ , ,	1		
k_LoSpdVDAuthority_UIs_f32	91986		
k_SrlHwAgVIdTiThd_mS_u32			
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985		
k_TravelXCDeadband_Uls_f32	46.6399994		
k_TraveIXCHwAuthority_UIs_f32	0.161174998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-693.210022		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1310.70105		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-475.299988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-368.209991		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.050003		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	- TOOUIC
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892860	2345892860	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	309385728	309385728	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-475.299988 1	-475.299988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	· ·
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860	2345892860	V
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
	•		





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1310.70105	1310.70105	•
VehDyn_MinOffset_HwDeg_M_f32	-693.210022	-693.210022	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50363731	1.50363731 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1173.08997	-1173.08997 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
rmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
e Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
e Inst Ap VehDyn	target Rte Inst Ap VehDyn
hDyn AllowHiSpdAutoCntr Cnt M Igc	1
hDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	211.5
hDyn AutoCntrDetSpd M str.VehSpd kph f32	255
hDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	4.5
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5
hDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	21364
hDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	52716
hDyn AutoCntrDetSpd M str.Timer1 mS u32	2553156835
hDyn_AutoCntrDetSpd_M_str.Timer1_m0_us2	4290967295
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000877999992
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.R_Us_132	-157.490005
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Ois_i32	0.000877999992
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_ige	0
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.2000008
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
hDyn_AutoCntrHiSpd_M_str.Timer2 ms_u32	2553156835
· - · ·	4290967295
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-157.490005
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00677999982
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000348000001
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 0
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	66.5
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.5
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.5
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-157.490005 6.73999966e-005

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VehDyn_Per1



venDyn_Per1			MACITAL	
Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0			
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1			
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1			
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	0			
/ehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012			
VehDyn_HiSpdLearnt_Cnt_M_lgc	0			
/ehDyn_Initialize_Cnt_M_lgc	0			
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0			
/ehDyn_MaxOffset_HwDeg_M_f32	968.197998			
/ehDyn_MinOffset_HwDeg_M_f32	-637.073975			
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002			
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.00044199999			
/ehDyn_SLPHwAuth_Uls_M_f32	0.947000027			
/ehDyn_SLPHwPos_HwDeg_M_f32	-357.950012			
/ehDyn_SrlHwAgVldTimer_mS_M_u32	5477			
c_HiSpdVDAuthority_Uls_f32	0.5			
k_HwTqMgnThd_HwNm_f32	1			
LoSpdVDAuthority_Uls_f32	0			
<_SrlHwAgVldTiThd_mS_u32	12			
_SysKinRatio_MtrDegpHwDeg_f32	75.4000015			
_TravelXCDeadband_Uls_f32	45.6100006			
_TravelXCHwAuthority_Uls_f32	0.162400007			
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104			
arget_GetSystemTime_mS_u32_CurrentTime	2659241984			
arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	Ti 824746752			
arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF Mtr			
arget Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid Cnt Igc			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t			
arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-686.950012	<u> </u>		
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1305.13196			
arget_VehDyn_Per1_EwE01_1WDeg_I32.value	-1.10000002			
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.440002			
arget_VenDyn_Fer1_wotorverCRF_witrRadpS_is2.value				
0 = 7 = = 0=	-157.490005 0			
arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	•			
arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-357.950012			
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001			
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993			
Name	Actual Value	Expected Value	Resu	
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1		
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835		
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295		
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009		
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009		
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1		
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0		
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984		
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0	0		
VehDvn AutoCntrHiSnd M etr Eilter1Initialized Cnt Iac	0	0		

0

2659241984

4290967295

-157.490005

-157.490005

0

2659241984

4290967295

-157.490005 ± 0.0009

-157.490005 ± 0.0009

 $VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc$

VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1305.13196	1305.13196	~
VehDyn_MinOffset_HwDeg_M_f32	-686.950012	-686.950012	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59980774	-1.59980774 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477	5477	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.947000027	0.947000027 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-515.440002	-515.440002 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
rmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
e Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
e Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
e Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
e_inst_Ap_venbyn hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
hDyn_AllownispaAulochtt_cit_wi_gc	2.5
hDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32	196.5
	6.5
hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	86.5
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.199997
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176.5
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
hDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	43868
hDyn AutoCntrHiSpd M str.Timer1 mS u32	1024
hDyn AutoCntrHiSpd M str.Timer2 mS u32	2967684784
hDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1576.71997
hDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000658000004
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
hDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000307999988
hDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
hDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_AutoCntrlispd_M_str.MtrVel_MtrRadpS_f32	600.200012
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.1999969
hDyn_AutoCntrLoSpd_M_str.venSpd_kpri_tsz hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
	96.1999969
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3658 5853

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Name	Input Value				
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0				
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.54000032e-005				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1576.71997				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014				
VehDyn_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	0				
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1				
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0				
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0				
VehDyn ForceCenterOffset HwDeg M f32	-201.399994				
VehDyn_HiSpdLearnt_Cnt_M_lgc	0				
VehDyn_Initialize_Cnt_M_lgc	1				
VehDyn_LoSpdLearnt_Cnt_M_lgc	0				
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015				
VehDyn_MinOffset_HwDeg_M_f32	-703.914001				
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019				
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432000001				
VehDyn_SLPHwAuth_Uls_M_f32	0.77700001				
VehDyn_SLPHwPos_HwDeg_M_f32	-460.549988				
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432				
k_HiSpdVDAuthority_UIs_f32	1				
k_HwTqMgnThd_HwNm_f32	3.0999999				
k_LoSpdVDAuthority_UIs_f32	0				
k_SrlHwAgVIdTiThd_mS_u32	4856				
k_SysKinRatio_MtrDegpHwDeg_f32	86.099985				
k_TravelXCDeadband_Uls_f32	55.909998				
k_TravelXCHwAuthority_Uls_f32 target DtrmnElapsedTime mS u32 ElapsedTime	0.150150001 2478427648				
target_GetSystemTime_mS_u32_CurrentTime	2127166208				
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed					
target_Rte_Call_Ap_VehDyn_SystemTime_Btimic_lapsedTime_mS_u32_CurrentTime_ target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_					
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32				
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	target_VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-749.549988				
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1360.82202				
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-147.880005 1576.71997				
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	1				
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-460.549988				
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0				
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.4500008				
Name	Actual Value	Expected Value	Resul		
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	resu		
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892860	2345892860			
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835			
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1576.71997	1576.71997 ± 0.009			
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1576.71997	1576.71997 ± 0.009			
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1			
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0			
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•		
	2427466200	2127166208	•		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	1	•		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784			
		2967684784 1576.71997 ± 0.009	•		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784				
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2967684784 1576.71997 1576.71997 0	1576.71997 ± 0.009 1576.71997 ± 0.009 0	•		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	2967684784 1576.71997 1576.71997 0	1576.71997 ± 0.009 1576.71997 ± 0.009 0	•		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	2967684784 1576.71997 1576.71997 0	1576.71997 ± 0.009 1576.71997 ± 0.009 0	•		





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015	-918.278015	~
VehDyn_MinOffset_HwDeg_M_f32	-703.914001	-703.914001	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30075073	6.30075026 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.77700001	0.77700001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1116.16992	1116.17004 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M lgc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	9.5
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	146.5
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	0
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	78.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	34188
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	2967684784
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2138628886
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	969.01001
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000882000022
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	969.01001
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000882000022
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.1999969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000682000013
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000356000004
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.70000005
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.699997

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.6999998		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.6999969		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.77999997e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn ForceCenterOffset HwDeg M f32	997.52002		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn MaxOffset HwDeg M f32	978		
VehDyn_MinOffset_HwDeg_M_f32	-623		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000444000005		
VehDyn_SLPHwAuth_Uls_M_f32	0.981000006		
VehDyn_SLPHwPos_HwDeg_M_f32	-337.429993		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1262472576		
k_HiSpdVDAuthority_Uls_f32	0.800000012		
k_HwTqMgnThd_HwNm_f32	9.19999981		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031		
k_TravelXCDeadband_Uls_f32	43.5499992		
k_TravelXCHwAuthority_Uls_f32	0.164849997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336		
target_GetSystemTime_mS_u32_CurrentTime	1117112832		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target VehDyn Per1 HwTorque HwNm f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VenDyn_Per1_RelHwPos_HwDeg_f32 target_VenDyn_Per1_SensorlessAuthority_Uls_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target VehDyn Per1 SrlHwAgVld Cnt Igc	9	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3:	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-674		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1293		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.70000005		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	969.01001		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-337.429993		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.459999		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	•
Vanitur AutoChtri lotChd M. atr DalHwDaaEilt2C\/ HwDaa atr C\/ Illa f22	969.01001	969.01001 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0	1 0	*
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0	1 0 0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 0 0 1117112832	1 0 0 1117112832	* * * * * * * * * * * * * * * * * * *
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0	1 0 0	~

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	323.98999	323.98999	~
VehDyn_MinOffset_HwDeg_M_f32	-623	-623	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79582453	7.79582405 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1262472576	1262472576	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-337.429993	-337.429993 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	✓

Test Step 2.127 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	123.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.60000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000440000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.3000031		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2999992		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2999992		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190 3186		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.20000025e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1083.01404		
VehDyn_MinOffset_HwDeg_M_f32	-483.34201		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046499999		
VehDyn_SLPHwAuth_Uls_M_f32	0.617999971		
VehDyn_SLPHwPos_HwDeg_M_f32	-121.970001		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32	1316564736 0.779999971		
k_HwTqMgnThd_HwNm_f32	5.25		
k LoSpdVDAuthority Uls f32	0		
k_SrlHwAgVldTiThd_mS_u32	91986		
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004		
k_TravelXCDeadband_Uls_f32	21.9200001		
k_TraveIXCHwAuthority_UIs_f32	0.190575004		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
target_GetSystemTime_mS_u32_CurrentTime	1736795392		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	1316564736 target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRad		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	lls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeq_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f3542.969971		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1177.04504		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-121.970001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.100006	Province de di Mari	-
Name Veh Dun Alleud li Sad Auto Cete Cet M. Jee	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	3174048758	3174048758	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758 3382212733	3174948758 3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uls_f32	1600	1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	0	0	•

 $VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1177.04504	1177.04504	~
VehDyn_MinOffset_HwDeg_M_f32	-542.969971	-542.969971	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00023937	-7.00023937 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.617999971	0.617999971 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	337.23999	337.23999 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1.
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000885999994
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000685999985

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000364000007		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.899994		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.9000001		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.9000015		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.82000027e-005 -913.679993		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn ForceCenterOffset HwDeg M f32	1197.33997		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn LoSpdLearnt Cnt M lqc	0		
VehDyn_MaxOffset_HwDeg_M_f32	988.166016		
VehDyn MinOffset HwDeg M f32	-610.338013		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000445999991		
VehDyn_SLPHwAuth_Uls_M_f32	0.978999972		
VehDyn_SLPHwPos_HwDeg_M_f32	-316.910004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	0.779999971		
k_SrlHwAgVldTiThd_mS_u32	1385		
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004		
k_TravelXCDeadband_Uls_f32	41.4900017		
k_TravelXCHwAuthority_Uls_f32	0.167300001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000		
target_GetSystemTime_mS_u32_CurrentTime	3437401088		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTim$	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-661.909973		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1282.85596		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.29999995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.660004		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-913.679993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-316.910004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0 42.9199982		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		Evenoted Value	D
Name VahDun Alland liCad Auto Cata Cata M. Isra	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1 2202242722	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Llls_f32	2553156835	2553156835 -913 679993 + 0 0009	

-913.679993

-913.679993

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

-913.679993 ± 0.0009

-913.679993 ± 0.0009

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1282.85596	1282.85596	~
VehDyn_MinOffset_HwDeg_M_f32	-661.909973	-661.909973	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39843702	-5.39843702 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728	2644937728	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.129 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00088800001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00088800001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000368000008
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	400.600006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCotrl oSpd_M_str.Timer2_mS_u32	2760420809 476.670013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.8399997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV_HwDeg str.K Uls f32	0.00088800001
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1.
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-993.15802
VehDyn_MinOffset_HwDeg_M_f32	-603.653992
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000446999999
VehDyn_SLPHwAuth_Uls_M_f32	0.959999979
VehDyn_SLPHwPos_HwDeg_M_f32	-306.649994
VehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_UIs_f32	0.800000012
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	53.099985 40.4599991
k_TravelXCDeadband_UIs_f32	0.168524995
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	3351443200
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-655.650024
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1277.28699
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425
	476.670013
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-306.649994
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-306.649994 5.5999999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-306.649994 5.5999999 1
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	-306.649994 5.5999999 1 52.0499992
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-306.649994 5.5999999 1





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-993.15802	-993.15802	~
VehDyn_MinOffset_HwDeg_M_f32	-603.653992	-603.653992	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59548759	7.59548759 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616	2212175616	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.959999979	0.959999979 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	170.02002	170.020004 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.130 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.799988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.79999995
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008

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Name Input Value	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 38868	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 57944	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 1078320779	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -275.019989	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 539.099976	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 176.100006	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.0999999 VehDyn_AutoCntrl_oSpd_M_atr_CntrlWindow_lbyDoc_632	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 86.0999985 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 16683	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 22497	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 54822322	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 1078320779	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -275.019989	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 6.09999988e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -275.019989	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000829999975	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1	
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc 0	
VehDyn_ForceCenterEnabled_Cnt_M_lgc 1	
VehDyn_ForceCenterOffset_HwDeg_M_f32 997.52002	
VehDyn_HiSpdLearnt_Cnt_M_lgc 0	
VehDyn_Initialize_Cnt_M_lgc 1	
VehDyn_LoSpdLearnt_Cnt_M_lgc 0	
VehDyn_MaxOffset_HwDeg_M_f32 818.437988	
VehDyn_MinOffset_HwDeg_M_f32 -837.593994 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.60000002	
VehDyn_PinTrqSV_M_str.K_Uls_f32	
VehDyn_SLPHwAuth_Uls_M_f32	
VehDyn_SLPHwPos_HwDeg_M_f32 -665.75	
VehDyn_SrlHwAgVldTimer_mS_M_u32 2728878080	
k_HiSpdVDAuthority_Uls_f32 0.899999976	
k_HwTqMgnThd_HwNm_f32 3.0999999	
k_LoSpdVDAuthority_Uls_f32 0.100000001	
k_SrlHwAgVldTiThd_mS_u32 3229	
k_SysKinRatio_MtrDegpHwDeg_f32 41.0999985 k_TravelXCDeadband_Uls_f32 76.5100021	
k TravelXCHwAuthority Uls f32 0.125650004	
target DtrmnElapsedTime mS u32 ElapsedTime 437658624	
target_GetSystemTime_mS_u32_CurrentTime 4243378688	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi 54689	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2728878080	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_VehDyn_VehDyn_Per1_MotorVelCPE_MtrPadps_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	
target_Rte_inst_Ap_VenDyn_VenDyn_Per1_SensorlessAuthority_Uls_f32 target_VenDyn_Per1_SensorlessAuthority_Uls_f32 target_VenDyn_Per1_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -874.75	
torrest VehDun Dard CurEOT HurDay 600 vehice	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1356.87	
target_VehDyn_Per1_HwTorque_HwNm_f32.value 4	
target_VehDyn_Per1_HwTorque_HwNm_f32.value 4 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5400009	
target_VehDyn_Per1_HwTorque_HwNm_f32.value 4 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5400009	
target_VehDyn_Per1_HwTorque_HwNm_f32.value 4 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5400009 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -275.019989	
target_VehDyn_Per1_HwTorque_HwNm_f32.value 4 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5400009 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -275.019989 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 1	
target_VehDyn_Per1_HwTorque_HwNm_f32.value 4 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5400009 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -275.019989 target_VehDyn_Per1_SrlHwAgVid_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -665.75	

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Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	818.437988	818.437988	✓
VehDyn_MinOffset_HwDeg_M_f32	-599.72998	-599.72998	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59766078	-1.59766078 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1272.54004	-1272.54004 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.131 (Repeat Count = 1) ✓			
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime		
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0		
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.5		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.5		
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.5		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	67.5		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	3658		
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	5853		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000891999982		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000891999982		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	200.199997		

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000691999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000376000011
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.600006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.88e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000891999982
VehDyn_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	1 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn ForceCenterOffset HwDeg M f32	1497.06995
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1003.14203
VehDyn_MinOffset_HwDeg_M_f32	-590.286011
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000449000014
VehDyn_SLPHwAuth_Uls_M_f32	0.921999991
VehDyn_SLPHwPos_HwDeg_M_f32	-286.130005
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_UIs_f32	0.777999997
k_SrlHwAgVIdTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	38.4000015 0.170975
target DtrmnElapsedTime mS u32 ElapsedTime	1975593216
target GetSystemTime mS u32 CurrentTime	1759885568
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-643.130005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1266.14905
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.20000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-753.880005
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1377.90002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-286.130005





Name	Input Value		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.990005		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1266.14905	1266.14905	~
VehDyn_MinOffset_HwDeg_M_f32	-643.130005	-643.130005	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60068214	-1.60068214 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984	800969984	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.921999991	0.921999991 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.132 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	23667
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000893999997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	457
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.199997
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	16.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1380.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000693999988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
	0.000380000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.899994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.9000001
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	75.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.90000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1008.13397
VehDyn_MinOffset_HwDeg_M_f32	-583.60199
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000449999992
VehDyn_SLPHwAuth_Uls_M_f32	0.902999997
VehDyn SLPHwPos HwDeg M f32	-275.869995
VehDyn SrlHwAgVldTimer mS M u32	2659241984
, - ,	
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985
k_TravelXCDeadband_Uls_f32	37.3699989
k TravelXCHwAuthority Uls f32	0.172199994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTi	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRadpS f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-636.869995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1260.57996
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.77002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1380.59998





Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-275.869995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.450012		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	~
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1662097408	1662097408	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0	0	~
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	1662097408	1662097408	✓
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3382212733	3382212733	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1380.59998	-1380.59998 ± 0.009	•
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1380.59998	-1380.59998 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn HiSpdLearnt Cnt M Igc	0	0	•
VehDyn Initialize Cnt M Igc	1	1	
VehDyn LoSpdLearnt Cnt M lgc	0	0	✓
VehDyn MaxOffset HwDeg M f32	1260.57996	1260.57996	
VehDyn MinOffset HwDeg M f32	-636.869995	-636.869995	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7948837	-14.7948828 ± 0.00009	
VehDyn SrlHwAgVldTimer mS M u32	2659241984	2659241984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.902999997	0.902999997 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.133 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	49369
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000896000012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002

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Name		
Vestige, Auschinders M. dei Febreria Schoff on 19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Name	Input Value
Wildow, Ausoritabels, M. at Fired Fasher, On Up 2 Verloy, Ausoritabels, M. at Fired Fasher, On Up 3 Verloy, Ausoritabels, M. at Fired Fasher, On Up 3 Verloy, Ausoritabels, M. at Fired Fasher, On Up 3 Verloy, Ausoritabels, M. at Fired Fasher, On Up 3 Verloy, Ausoritabels, M. at Fired Fasher, Dec. 19 Verloy, Ausoritabel, M. at Fired Fasher, Verloy, Collage Verloy, Ausoritabel, M. at		· ·
Verboy, Auctoriology, M. or Piterfelbase Cell by Verboy, Auctoriology, M. or Piterfelbase Cell by Verboy, Auctoriology, M. or Piterfelbase, Cell b		
VerDin, Auschneides J. W. Eritaritisates Cit. Igo VerDin, Auschneides J. W. Eritaritisates A. S. Verdin, Auschneides M. M. Eritaritisates A. S. Verdin, Auschneides M. M. Eritaritisates V. Indee, as S. V. Us. D. Verdin, Auschneides M. M. Eritaritisates V. Indee, as S. V. Us. D. Verdin, Auschneides M. M. Eritaritisates V. Indee, as S. V. Us. D. Verdin, Auschneides M. M. Eritaritisates V. Indee, as S. V. Us. D. Verdin, Auschneides M. M. Eritaritisates Cit. Igo		
Verbijn, Auschreibeige M. seif Briedminister Ort. (pp. 1466) Verbijn, Auschreibeige M. seif Briedminister Ort. (pp. 1466) Verbijn, Auschreibeige M. seif Driedminister Ort. (pp. 1466) Verbijn, Auschreibeige M. seif Driedminister Ausch (pp. 1266) Verbijn, Auschreibeige M. seif Driedminister V. January (pp. 1266) Verbijn, Auschreibeige M. seif Treidminister V. January (pp. 1267) Verbijn, Auschreibeige M. seif Treidminister V. January (pp. 1267) Verbijn, Auschreibeige M. seif Treidminister V. January (pp. 1267) Verbijn, Auschreibeige M. seif Treidminister Ort. (pp. 1267) Verbijn, Auschreibeige M. seif Verbijn, Auschreibeige	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
Verby-, Auscheristics, M. at Personal Part (1995), 1997 (VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, 115 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, 115 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, 115 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, 110 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, Hartin 20, 110 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 19, Hart	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, 115 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, 115 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, 115 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, 110 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 20, Hartin 20, 110 Verbigs, Auschreidsge, Mari Heimin 19, Hartin 19, Hart		498.200012
VenDry Auscherists Mat Filler Final Service 150 1024 10		
VANDEA, AUCONESSEA, M.S. OF Treet Threes, 19, 216 12286 VENDEA, AUCONESSEA, M.S. Treet Threes, 19, 216 21286 VENDEA, AUCONESSEA, M.S. Treet 19, 512 2128 VENDEA, AUCONESSEA, M.S. Treet 19, 512 122 VENDEA, AUCONESSEA, M.S. Treet, 19, 512 170 VENDEA, AUCONESSEA, M.S. Treet, 19, 512 170 VENDEA, AUCONESSEA, M.S. Treet, 19, 512 170 VENDEA, AUCONESSEA, M.S. Treet, 19, 512 18, 512 VENDEA, AUCONESSEA, M.S. Treet, 19, 512 10, 502 VENDEA, AUCONESSEA, M.S. SERVICESEA, 19, 522 10, 502 VENDEA, AUCONESSEA, M.S. SERVICESSEA, 19, 522 10, 502 VENDEA, AUCONESSEA, M.S. SERVICESSEA, 19, 522 10, 502 VENDEA, AUCONESSEA, M.S. SERVICESEA, 19, 522 20, 502 VENDEA, AUCONESSEA, M.S. SERVICESSEA, 19, 522 20, 502 VENDEA, AUCONESSEA, M.S. SERVICESSEA, 19, 522 20, 502 VENDEA, AUCONESSEA, M.S. SERVICESEA, 19, 522 20, 502 VENDEA, AUCONESSEA, M.S. SERVICESSEA, 19, 522 20, 502 VENDEA, AUCONESSEA, M.S. SERVICESSEA, 19, 522 20, 502 VENDEA, AUCONESSEA, M.S. SERVICESEA, 19, 522 20, 502 VENDEA, AUCONESSEA, M.S. SERVICESSEA, 19, 522		
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Veolity-Paus-Contributed Mar. Trimeral		
VARDPA_ADCOMERSO_M_MS_TIME_C_MS_2 VARDPA_ADCOMERSO_M_MS_TIME_C	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VARDOPA ABSOCRATISS M. I. REHNFORTISS HADE & ISS VI UIL 102	VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VARDOPA ABSOCRATISS M. I. REHNFORTISS HADE & ISS VI UIL 102	VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1024
Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs yet SV, Us. 192 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, yet SV, Us. 192 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, yet SV, Us. 192 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, yet SV, Us. 192 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, yet SV, Us. 192 Verbilly, Auschriftsgof, M. y. Reicherspettins Chully O. 1 Verbilly, Auschriftsgof, M. y. Reicherspettins Chully O. 1 Verbilly, Auschriftsgof, M. y. Reicherspettins Chully O. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins O. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins O. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins O. 3 Verbilly, Auschriftsgof, M. y. Reicherspettins O. 3 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, and S. Vulla, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, S. 2 Verbilly, Auschriftsgof, M. y. Reicherspettins V. Hobogs, S. 2 Verbilly, Auschrifts		3589476707
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VerDip AutoContesting of Mar Primer Strategie (cit) ge VerDip AutoContesting of Mar Primer Strategie (cit) ge VerDip AutoContesting of Mar Primer Strategie (cit) ge VerDip AutoContesting of Mar Verbip Strategie (cit	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VANDOR_AUGORINESSED_M_REFERENTERSE_CRU_DE VANDOR_AUGORINESSED_M_REFERENTERSE_VANDOR_REFERENTERS	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000384000014
Verbilder, MacKonffelded, M. Brillerichinalized Crit. Igo Verbilder, MacKonffelded, M. Brillerichinalized, St. Igo Verbilder, MacKonffelder, M. Brillerichinalized, St. Igo Verbilder,	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
Verbilder, MacKonffelded, M. Brillerichinalized Crit. Igo Verbilder, MacKonffelded, M. Brillerichinalized, St. Igo Verbilder, MacKonffelder, M. Brillerichinalized, St. Igo Verbilder,	VehDvn AutoCntrHiSpd M str.Filter2Enable Cnt lqc	1
Verbiller, Audrochterisged, M. ast Piller (Ministrate). City 12 Verbiller, Audrochterisged, M. ast Piller (Ministrate). City 2 Verbiller, Audrochterisged, M. ast Verlisged, Jan., List 2 Verbiller, Audrochterisged, M. ast Piller (Jan., Manny, 12)		
VerDing Authorities Out Miss VerBing by Miss 2 VerDing Authorities Out Miss VerBing Miss 2 VerDing Authorities Out Miss 2 VerDing Authorities Out Miss 2 VerDing Miss Claim Circl M		
Verbin / AutoCritic Sept // Les Verlison Les (1872)		
VerDirp, AusCorticSop M, 9th Critic Trivesh, mS, U16 VerDirp, AusCorticSop M, 9th Critic Minkows, Minkop, U18 VerDirp, AusCorticSop M, 9th Triversh, mS, U16 VerDirp, AusCorticSop M, 9th Triversh mS, U18 VerDirp, MS, U18 Ver		
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k_HvTqMgnThd_HvNm_132	VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_OSPAVDAuthority_UIs_f32 k_SYSKIRRatio_MtrDepHwDeg_f32 K_TravelXCDeadband_UIs_f32 k_TravelXCDeadband_UIs_f32 k_TravelXCHwAuthority_UIS_f32 target_DtmmElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Re_Call_Ap_VehDyn_SystemTime_DtmmElapsedTime_mS_u32_ElapsedTime target_Re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Ret_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_UIs_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_UIs_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_Sensoriespeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	k_HiSpdVDAuthority_Uls_f32	0
k_OSPAVDAuthority_UIs_f32 k_SYSKIRRatio_MtrDepHwDeg_f32 K_TravelXCDeadband_UIs_f32 k_TravelXCDeadband_UIs_f32 k_TravelXCHwAuthority_UIS_f32 target_DtmmElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Re_Call_Ap_VehDyn_SystemTime_DtmmElapsedTime_mS_u32_ElapsedTime target_Re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Ret_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_UIs_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_UIs_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwRom_F32 target_Ret_Inst_Ap_VehDyn.VehDyn_Per1_Sensoriespeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	k_HwTqMgnThd_HwNm_f32	2.0999999
k_SriHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TraveIXCDeadband_Uls_f32 bt_TraveIXCDeadband_Uls_f32 ctarget_DtrmnElapsedTime_mS_u32_ElapsedTime target_DtrmnElapsedTime_mS_u32_ElapsedTime target_OthernElapsedTime_mS_u32_ElapsedTime target_OthernElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CowEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotoryelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotoryelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotoryelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		1
k_SysKinRatio_MtrDegpHwDeg_f32 78.4000015 k_TraveIXCPDeadband_Uls_f32 36.3400002 k_TraveIXCHWAUthority_Uls_f32 0.173425004 target_DtrmnElapsedTime_mS_u32_ElapsedTime 402713344 target_CetSystemTime_mS_u32_CurrentTime 2127166208 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2127166208 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2127166208 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAut		
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target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	target_GetSystemTime_mS_u32_CurrentTime	2127166208
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn.VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn.VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
	g.t She jhi_r or _conteo /_rimbog_loz.ruido	





Name				010010
Israget_VehDyn_Pert_Mort/orcore_Pirk/PinCaple_Fig2 value 739.999995	Name	Input Value		
Israget_VehDyn_Pert_Mort/orcore_Pirk/PinCaple_Fig2 value 739.999995	target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1255.01099		
larget VehDyn_Pert_BertherDes_HNDes_132.value 783.02002		-3.79999995		
target_VehDyn_Pert_Sirthwag-Mic_Ort_Jgo:value arget_VehDyn_Pert_Sirthwag-HwDeg_r32-value 2-856.09985 target_VehDyn_Pert_TorqueCmcKF_Minnr_r32-value 1-1	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Pert_Sirthwag_HwDeg_152_value 265.609985 target_VehDyn_Pert_VehicleSpeed_Vish_152_value 5.4000001 target_VehDyn_Pert_VehicleSpeed_Vish_152_value 381.19995 Name	target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	703.02002		
target_VehDyn_Pert_TorquaCrnd_CRF_Mthmt, r3z value target_VehDyn_Pert_VehicleSpeedVald_Cnt_Igo:value 1388-11995 Name Actual Value Septed Value Septed Value Result VehDyn_AllowHiSpdAutoCnt_Cnt_M_Igc VehDyn_AllowHiSpdAutoCntt_Cnt_M_Igc VehDyn_AutoCntrtUelSpd_M_str.Timert_mS_u32 2127166208 2127162	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Perf_VehicleSpeed_Kyni_GZ.value 1 Name Actual Value Expected Value Result VehDyn_Alou-HiSpAdulcCort_Cnt_M_lgc 0 0 0 ≪ VehDyn_Alou-ChrideSpd_M_str_Timer1_mS_u32 2127168208 2127168208 ✓ VehDyn_Alou-ChrideSpd_M_str_Timer1_mS_u32 3589476707 3589476707 ✓ VehDyn_Auto-ChrideSpd_M_str_Timer2_mS_u32 3589476707 3589476707 ✓ VehDyn_Auto-ChrideSpd_M_str_Hiller2_mS_u32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_Auto-ChrideSpd_M_str_Hiller2_mable_Cnt_lgc 0 0 0 ✓ VehDyn_Auto-ChrideSpd_M_str_Hiller2_mable_Cnt_lgc 1 1 1 ✓ VehDyn_Auto-Chridspd_M_str_Hiller2_mable_Cnt_lgc 1 1 1 ✓ VehDyn_Auto-Chridspd_M_str_Hiller2_mable_Cnt_lgc	target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-265.609985		
Target_VehDyn_Per1_VehicleSpeed_Kph_732_value	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001		
Name Actual Value Expected Value Result VehDyn_AllowHiSpAdutoCnt_Cnt_M_Igc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Timert_mS_u32 2127168208 2127168208 ✓ VehDyn_AutoCntrDetSpd_M_str.Reit+wPosFilt2SV_HWDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.Reit+wPosFilt2SV_HWDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Intallazed_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1 1 <t< td=""><td>target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value</td><td>1</td><td></td><td></td></t<>	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
VehDyn_AllowHiSpadutoCntr_Cnt_M_lgc 0 0 V VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2177166208 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3589476707 3589476707 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_132 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_132 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_132 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Riller1Initialscd_Cntl_lgc 1 1 1 1 ✓ VehDyn_AutoCntrHetSpd_M_str.Riller1Initialscd_Cntl_lgc 1 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Riller1Initialscd_Cntl_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_132 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.Riller1Enable_Cntl_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Riller1Enable_Cntl_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Riller1Initialized_Cntl_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Riller1Initialized_	target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.119995		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3589476707 3589476707 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt.l.gc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt.l.gc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt.l.gc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt.l.gc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3589476707 3589476707 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3589476707 3589476707 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.FitterEnable_Cnt.l.gc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.FitterEnable_Cnt.l.gc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.FitterEnable_Cnt.l.gc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.FitterEnable_Cnt.l.gc <td>Name</td> <td>Actual Value</td> <td>Expected Value</td> <td>Result</td>	Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3589476707 3589476707 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_Uls_f32 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Enfable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Initalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Initalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enfable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enfable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enfable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLiSpd_M_str.Filter1Eng_Lintalized_Cnt_lgc 0 0 0 ✓	VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDelSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDelSpd_M_str.FilterTEnable_Cnt_Igc 0 0 0 0 VehDyn_AutoCntrDelSpd_M_str.FilterEnable_Cnt_Igc 0 0 0 0 VehDyn_AutoCntrDelSpd_M_str.FilterEnable_Cnt_Igc 0 1 1 1 1 VehDyn_AutoCntrDelSpd_M_str.FilterEnable_Cnt_Igc 1 1 1 VehDyn_AutoCntrDelSpd_M_str.FilterEnable_Cnt_Igc 1 VehDyn_AutoCntrDelSpd_M_str.FilterEnable_Cnt_Igc 1 VehDyn_AutoCntrDelSpd_M_str.FilterEnable_Cnt_Igc 1 VehDyn_AutoCntrHiSpd_M_str.FilterEnable_Cnt_Igc 1 VehDyn_AutoCntrLiSpd_M_str.FilterEnable_Cnt_Igc 1 VehDyn_AutoCntrLiSpd_M_str.Filt	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrDetSpd_M_str.Riel+WPosFilt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.FiltertEnable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.FiltertInitalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FiltertInitalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FiltertInitalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timert_mS_u32 3589476707 3589476707 3589476707 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.FiltertInitalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.FiltertInitalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.FiltertInitalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLiSpd_M_str.FiltertInitalized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.FiltertInitalized_Cnt_lgc 1 1 1 1	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrDetSpd_M_str_Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str_Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 1024 1024 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 703.02002 703.02002 + 0.0009 VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str_Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str_Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str_Filter1Initialized_Cnt_lgc 1 1024 VehDyn_AutoCntrLoSpd_M_str_Filter1Initialized_Cnt_lgc 1 1024 VehDyn_AutoCntrLoSpd_M_str_Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str_Filter2Enable_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 ✓ ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 ✓ ✓ VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2_mS_u32 1024 1024 ✓ ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2_mS_u32 3589476707 3589476707 3589476707 3599476707 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2_mS_u32 703.02002 703.02002 ± 0.0009 ✓ ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Pailes_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 0 ✓	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3589476707 3589476707 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrLiSpd_M_str.FilterInitialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.FilterInitialized_Cnt_lgc 0 0 ✓ ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 1024 1024 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1tSV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1tSV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCn	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 Jew Pown_AutoCntrHispd_M_str.Filter2Initialized_Cnt_lgc 1 1024 1024 Vew Pown_AutoCntrHispd_M_str.Filter2_mS_u32 3589476707 3589476707 Jew Pown_AutoCntrHispd_M_str.ReiHwPosFilt3SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 Vew Pown_AutoCntrHispd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 Vew Pown_AutoCntrHispd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 Vew Pown_AutoCntrHispd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1 1 1 Vew Pown_AutoCntrHispd_M_str.Filter2Enable_Cnt_lgc 1 1 1 Vew Pown_AutoCntrHispd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 Vew Pown_AutoCntrHispd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 Vew Pown_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 Vew Pown_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 703.02002 703.02002 ± 0.0009 Vew Pown_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 Vew Pown_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 Vew Pown_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 Vew Pown_AutoCntrLoSpd_M_str.Filter2Initi	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1mitalized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476707 3589476707 3589476707 370.02002 703.02002 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 ✓ ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 > VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 > VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 > VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 > VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 > > VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 > > VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 1024 1024 > VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 1024 > VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 > VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnl_lgc 1 1 1 1 YehDyn_Liter1Enable_Cnl_lgc 0 0 0 YehDyn_Liter1Enable_Cnl_lgc 0 0 <td< td=""><td>VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc</td><td>1</td><td>1</td><td>✓</td></td<>	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_LoSpd_Learnt_Cnt_M_lgc 1 1 VehDyn_LoSpd_Learnt_Cnt_M_lgc <	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrHiSpd_M_str.ReithwPosFiit2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 1024 1024 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc 0 0 ✓ ✓ VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 ✓ ✓ VehDyn_LoSpd_Learnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_LoSpd_Learnt_Cnt_M_lgc 1 1 1 ✓	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCnttrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter3Enable_Cnt_lgc 1024 1024 VehDyn_AutoCntrLoSpd_M_str.Filter3Enable_Cnt_lgc 3589476707 3589476707 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 <	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 4 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 1024 v VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476707 3589476707 v VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 v VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 v VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 v VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 v VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 v VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 v VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 v VehDyn_LoSpd_Learnt_Cnt_M_lgc 1 1 1 v VehDyn_LoSpd_Learnt_Cnt_M_lgc 1 <t< td=""><td>VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32</td><td>703.02002</td><td>703.02002 ± 0.0009</td><td>✓</td></t<>	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 V VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 V VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 1024 V VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476707 3589476707 V VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 V VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 V VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 V V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 V VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 V VehDyn_Initialize_Cnt_M_lgc 1 1 1 V VehDyn_MoOffset_HwDeg_M_f32 551.990967 551.991028 V <td< td=""><td>VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc</td><td>1</td><td>1</td><td>✓</td></td<>	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 V VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 1024 V VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476707 3589476707 V VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 V VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 V VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 V V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 V VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 V V VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 V V V V V V V V <td>VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc</td> <td>1</td> <td>1</td> <td>✓</td>	VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 1024 V VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476707 3589476707 V VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 V VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 V VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_HispdLearnt_Cnt_Mlgc 1 1 1 V VehDyn_Initialize_Cnt_Mlgc 1 1 1 V VehDyn_LoSpdLearnt_Cnt_Mlgc 1 1 1 V VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 V VehDyn_PinTrqSV_M_str.SV_UIs_f32 17.790226 17.7902279 ± 0.00009 V VehDyn_SrlHwAgVIdTimer_mS_M_u32	VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2942063360 2942063360 Varget_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1	VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitl1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitl2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fitler1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitler2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 VehDyn_PinTrqSV_M_str.SV_UIs_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2942063360 2942063360 VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 ✓ VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 ✓ VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 ✓ target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_HISpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 ✓ VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 ✓ VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 ✓ target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 ✓ VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 ✓ VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 ✓ target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 ✓ VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 ✓ VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 ✓ target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 VehDyn_Der1_SensorlessAuthority_Uls_f32.value	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_LoSpdLearnt_Ont_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028 VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803 VehDyn_PinTrqSV_M_str.SV_UIs_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2942063360 2942063360 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004	VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.790226 17.7902279 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_MaxOffset_HwDeg_M_f32	551.990967	551.991028	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 ✓	VehDyn_MinOffset_HwDeg_M_f32	-576.91803	-576.91803	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 1 ± 0.004	VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.790226	17.7902279 ± 0.00009	✓
target_verib)r er i_ceriberiote tarion,y_ere_rez.ratio	VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value 1600 ± 0.1 ✓	target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.134 (Repeat Count = 1)	🔻
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	18774
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16088
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000898000028
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000898000028
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	539
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	156.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.199969
	34738
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000698000018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000387999986
	1
VehDyn_AutoCntrlliSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	1.10000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.93999973e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000898000028
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn ForceCenterOffset HwDeg M f32	-1400.31995
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1
, = = = = = = = = = = = = = = = = = = =	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1018.11798
VehDyn_MinOffset_HwDeg_M_f32	-570.234009
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452000007
VehDyn_SLPHwAuth_Uls_M_f32	0.86500001
VehDyn SLPHwPos HwDeg M f32	-255.350006
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	35.3100014
k TravelXCHwAuthority Uls f32	0.174649999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4178051584
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
0	,





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_Vehicles	Speed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-624.349976		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1249.44202		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.0999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	829.530029		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-255.350006		
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.019989		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
/ehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	419.911987	419.911987	•
VehDyn_MinOffset_HwDeg_M_f32	-570.234009	-570.234009	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99865341	-6.99865341 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376	4077829376	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.86500001	0.86500001 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	574.180054	574.179993 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.135 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.39999962
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496





Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000899999985
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	580.5
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	126
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	37799
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uis_f32	0.000391999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_igc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.299988
	156.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	2.2999995
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1023.10999
VehDyn_MinOffset_HwDeg_M_f32	-563.549988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452999986
VehDyn_SLPHwAuth_Uls_M_f32	0.846000016
VehDyn_SLPHwPos_HwDeg_M_f32	-245.089996
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k_TravelXCDeadband_Uls_f32	34.2799988
k_TravelXCHwAuthority_Uls_f32	0.175874993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4077829376
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCr	mdCRF_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSp	peedValid_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSp	peed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-618.090027				
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1243.87305				
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.400001				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.840027				
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002				
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0				
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-245.089996				
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1				
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.980011				
Name	Actual Value	Expected Value	Result		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	✓		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	~		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✓		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	~		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓		
VehDyn_Initialize_Cnt_M_lgc	1	1	✓		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓		
VehDyn_MaxOffset_HwDeg_M_f32	1243.87305	1243.87305	~		
VehDyn_MinOffset_HwDeg_M_f32	-618.090027	-618.090027	✓		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29517412	6.29517412 ± 0.000009	~		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✓		
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.846000016	0.846000016 ± 0.004	~		
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	878.310059	878.309998 ± 0.1	~		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.10000038
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	7.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000423999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1063.04602
VehDyn_MinOffset_HwDeg_M_f32	-510.078003
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000460999989
VehDyn_SLPHwAuth_Uls_M_f32	0.69400006
VehDyn_SLPHwPos_HwDeg_M_f32	-163.009995
VehDyn_SrlHwAgVIdTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1 987
k_SrlHwAgVldTiThd_mS_u32	
k_SysKinRatio_MtrDegpHwDeg_f32	96.4000015
k_TravelXCDeadband_Uls_f32	26.0400009 0.185674995
k_TravelXCHwAuthority_Uls_f32 target DtrmnElapsedTime mS u32 ElapsedTime	2942063360
	2659241984
target_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-568.01001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1199.32104		
target VehDyn Per1 HwTorque HwNm f32.value	-6.80000019		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	88.8799973		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-6.48000002		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-163.009995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.8999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.4399986		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	Kesuit
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2659241984	2659241984	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2760420809	2760420809	
	-6.48000002		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		-6.48000002 ± 0.000009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	*
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.00009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	V
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	*
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	Y
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	Y
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	V
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	V
VehDyn_Initialize_Cnt_M_lgc	1	1	V
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1199.32104	1199.32104	~
VehDyn_MinOffset_HwDeg_M_f32	-568.01001	-568.01001	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60240626	-1.60240626 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	494.649994	494.649994 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.137 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.5

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000885999994
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
	350
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000685999985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000364000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.899994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.9000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.82000027e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000885999994
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	988.166016
	-610.338013
VehDyn_MinOffset_HwDeg_M_f32	-5.4000001
VehDyn_PinTrqSV_M_str.SV_UIs_f32	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000445999991
VehDyn_SLPHwAuth_Uls_M_f32	0.978999972
VehDyn_SLPHwPos_HwDeg_M_f32	-316.910004
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.779999971
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004
k_TravelXCDeadband_Uls_f32	41.4900017
k_TravelXCHwAuthority_Uls_f32	0.167300001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2644937728
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_H	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	lwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd0	CRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	d_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-661.909973		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1282.85596		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.29999995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.660004		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-913.679993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-316.910004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.9199982		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	_
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	1	1	✓
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	0	0	·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2553156835	2553156835	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn Initialize Cnt M Igc	1	1	
VehDyn LoSpdLearnt Cnt M Igc	0	0	_
VehDyn_MaxOffset_HwDeg_M_f32	1282.85596	1282.85596	
VehDyn_MinOffset_HwDeg_M_f32	-661.909973	-661.909973	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39843702	-5.39843702 ± 0.000009	
		-5.39843702 ± 0.000009	
VehDvn SrlHwAdVldTimer mS M u32			
VehDyn_SrlHwAgVldTimer_mS_M_u32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	2644937728	1 ± 0.004	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.138 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

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target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn
· ·
1
211.5
255
4.5
96.5
21364
52716
2553156835
4290967295
-1600
0.000877999992
-157.490005
0.000877999992
1
1
1
0
66.1999969
18.2000008
10
88.5
30404
30349
2553156835
4290967295
-157.490005
0.000677999982
-157.490005
0.000348000001
1
0
0
1
66.5
116.5
10.5
54.5
53759
18715
2553156835
4290967295
-157.490005
6.73999966e-005
-157.490005
0.000877999992
0
1
1
1
0
797.700012
0
0
0
968.197998
-637.073975
-1.6000002
0.00044199999
0.947000027
-357.950012
5477
0.5
1
0
12
75.4000015
45.6100006
0.162400007
2108719104
2659241984

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Name	Input Value		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	•		
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target VehDyn Per1 SrlHwAgVld Cnt Igc	-3	
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-686.950012		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1305.13196		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.10000002		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.440002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-157.490005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-357.950012		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	rtoouit
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-157.490005	-157.490005 ± 0.0009	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-157.490005	-157.490005 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	•
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn MaxOffset HwDeg M f32	1305.13196	1305.13196	
VehDyn MinOffset HwDeg M f32	-686.950012	-686.950012	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59980774	-1.59980774 ± 0.000009	
VehDyn_SrlHwAgVIdTimer_mS_M_u32	5477	5477	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.947000027	0.947000027 ± 0.004	
target_VehDyn_Per1_SensorlessHuPos_HwDeg_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-515.440002 -515.440002	-515.440002 ± 0.1	-
target_venibyti_reri_serisoriessriwros_nwbeg_tsz.value	-010.740002	-010. 14 0002 ± 0.1	_

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	•



st Step 2.139 (Repeat Count = 1) me nnElapsedTime_mS_u32(ElapsedTime) SystemTime_mS_u32(CurrentTime) _Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) _Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) _Inst_Ap_VehDyn Dyn_AllowHiSpdAutoCntr_Cnt_M_lgc _Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 _Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 _Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 _Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 _Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 _Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 _Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u32 _Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	Input Value target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 700 255 20 100 60000 60000 60000 4294967295 4294967295 1600
nnElapsedTime_mS_u32(ElapsedTime) SystemTime_mS_u32(CurrentTime) _Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) _Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) _Inst_Ap_VehDyn _Dyn_AllowHiSpdAutoCntr_Cnt_M_Igc _Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 _Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 _Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 _Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 _Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 _Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 _Dyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 _Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 700 255 20 100 60000 60000 60000 4294967295
SystemTime_mS_u32(CurrentTime) _Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) _Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) _Inst_Ap_VehDyn _Dyn_AllowHiSpdAutoCntr_Cnt_M_Igc _Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 _Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 _Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 _Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 _Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 _Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 _Dyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 _Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 700 255 20 100 60000 60000 4294967295 4294967295
_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) _Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) _Inst_Ap_VehDyn _Dyn_AllowHiSpdAutoCntr_Cnt_M_Igc _Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 _Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 _Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 _Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 _Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 _Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 _Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 _Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 _Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 700 255 20 100 60000 60000 4294967295 4294967295
_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) _Inst_Ap_VehDyn Dyn_AllowHiSpdAutoCntr_Cnt_M_Igc Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 700 255 20 100 60000 60000 4294967295 4294967295
Inst_Ap_VehDyn Dyn_AllowHiSpdAutoCntr_Cnt_M_Igc Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_Rte_Inst_Ap_VehDyn 1 700 255 20 100 60000 60000 4294967295 4294967295
Dyn_AllowHiSpdAutoCntr_Cnt_M_lgc Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 700 255 20 100 60000 60000 4294967295 4294967295
Dyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 Dyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32	700 255 20 100 60000 60000 4294967295 4294967295
Dyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	20 100 60000 60000 4294967295 4294967295
Dyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 Dyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	100 60000 60000 4294967295 4294967295
Dyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	60000 60000 4294967295 4294967295
Dyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 Dyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	60000 4294967295 4294967295
Dyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4294967295 4294967295
Dyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4294967295
Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
Dyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
	0.00125584786
	1600
	0.00125584786
Dyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
Dyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	
Dyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
Dyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc Dyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
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.Dyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 .Dyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	255
Dyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
Dyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
Dyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
Dyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
Dyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
Dyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1600
Dyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
Dyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
Dyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
Dyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
Dyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
Dyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
Dyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
Dyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
Dyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
Dyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
Dyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
Dyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
Dyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
Dyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 Dyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
Dyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4294967295 1600
Dyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00125584786
Dyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1600
Dyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00125584786
Dyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
Dyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1
Dyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
Dyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
Dyn_ForceCenterEnabled_Cnt_M_lgc	1
Dyn_ForceCenterOffset_HwDeg_M_f32	1600
Dyn_HiSpdLearnt_Cnt_M_lgc	1
Dyn_Initialize_Cnt_M_lgc	1
Dyn_LoSpdLearnt_Cnt_M_lgc	1
Dyn_MaxOffset_HwDeg_M_f32	1440.10999
Dyn_MinOffset_HwDeg_M_f32	2840
Dyn_PinTrqSV_M_str.SV_UIs_f32	18.7999992
Dyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
Dyn_SLPHwAuth_Uls_M_f32	1
Dyn_SLPHwPos_HwDeg_M_f32	1600
Dyn_SrlHwAgVldTimer_mS_M_u32	4294967295
iSpdVDAuthority_Uls_f32	1
wTqMgnThd_HwNm_f32	10
oSpdVDAuthority_Uls_f32 rlHwAgVldTiThd_mS_u32	1 100000
ysKinRatio_MtrDegpHwDeg_f32	100





Name	Input Value		
k_TravelXCDeadband_Uls_f32	100		
k_TravelXCHwAuthority_Uls_f32	1		
target DtrmnElapsedTime mS u32 ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	4294967295		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3:	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	lls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3:	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511	I=	l
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	Ž
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	Ž
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	~
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4294967295	4294967295	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	-
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
			✓
VehDyn_MaxOffset_HwDeg_M_f32	-159.890015	-159.889999	
VehDyn_MinOffset_HwDeg_M_f32	-159.890015 2840	-159.889999 2840	~
			~
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	2840	2840 18.7890587 ± 0.00009 4294967295	~ ~
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	2840 18.7890587	2840 18.7890587 ± 0.00009	· · · · · · · · · · · · · · · · · · ·

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.140 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.10000038
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2760420809
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
	0.00091599999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091399999
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.4000001
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000423999998
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	100.300003
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	236.300003
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	4.30000019
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-6.48000002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	-1063.04602
/ehDyn_MinOffset_HwDeg_M_f32	-510.078003
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
/ehDyn_PinTrqSV_M_str.K_UIs_f32	0.000460999989
/ehDyn_SLPHwAuth_Uls_M_f32	0.694000006
	-163.009995
/ehDvn_SI_PHwPos_HwDeg_M_f32	
VehDyn_StPHwPos_HwDeg_M_f32	2127166208
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32	0
VehDyn_SrlHwAgVldTimer_mS_M_u32	





Name	Input Value		
k_SysKinRatio_MtrDegpHwDeg_f32	96.4000015		
k_TravelXCDeadband_Uls_f32	26.0400009		
k_TravelXCHwAuthority_Uls_f32	0.185674995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360		
target_GetSystemTime_mS_u32_CurrentTime	2659241984		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	1736795392		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	2127166208		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-568.01001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1199.32104		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8799973		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-6.48000002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-163.009995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.8999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.4399986		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	-
	2760420809	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2760420809 0		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32		2760420809	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	2760420809 0 ± 0.000009	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 -6.48000002	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0 -6.48000002 0	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0 -6.48000002 0 0	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 -6.48000002 0 0	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 -6.48000002 0 0 1	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 -6.48000002 0 0 1 1 1 2553156835	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1 1 2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 -6.48000002 0 0 1 1 1 2553156835 2760420809	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1 1 1 2553156835 2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 -6.48000002 0 0 1 1 1 2553156835 2760420809 -6.48000002	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1 1 1 2553156835 2760420809 -6.48000002 ± 0.000009	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 -6.48000002 0 0 1 1 1 2553156835 2760420809 -6.48000002 -6.48000002	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1 1 1 2553156835 2760420809 -6.48000002 ± 0.000009 -6.48000002 ± 0.000009	0
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 -6.48000002 0 1 1 1 2553156835 2760420809 -6.48000002 1 1 1 0 0 2553156835 2760420809 -6.48000002 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1 1 1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 0 0 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 -6.48000002 0 1 1 1 2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 0 2553156835 2760420809 -6.48000002 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1 1 1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 0 0 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 -6.48000002 0 1 1 1 2553156835 2760420809 -6.48000002 1 1 1 0 0 2553156835 2760420809 -6.48000002 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2760420809 0 ± 0.000009 -6.48000002 ± 0.000009 0 1 1 1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 0 0 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.141 (Repeat Count = 1)	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.099985
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.099985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.200012
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.199997
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000315999991
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.1199989
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.1199989
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1200008
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.1200027
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	255468
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.5799999e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	-928.262024
ehDyn_MinOffset_HwDeg_M_f32	-690.546021
ehDyn_PinTrqSV_M_str.SV_Uls_f32	14
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000433999987
ehDyn_SLPHwAuth_Uls_M_f32	0.81099999
ehDyn_SLPHwPos_HwDeg_M_f32	-440.029999
/ehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
_HiSpdVDAuthority_Uls_f32	1
_HwTqMgnThd_HwNm_f32	5.0999999
	0





Name	Input Value		
k_SrlHwAgVldTiThd_mS_u32	70		
k SysKinRatio MtrDegpHwDeg f32	54.4000015		
k TravelXCDeadband Uls f32	53.8499985		
k_TravelXCHwAuthority_Uls_f32	0.152600005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432		
target_GetSystemTime_mS_u32_CurrentTime	1050692864		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-737.030029		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1349.68396		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.3999962		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5500031		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	355.5		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-440.029999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	128.880005		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		F	D16
Name Volchium Alloud li Cod Auto Cota Cota Malan	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	2760420809	1 2760420809	_
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
		,	
VehDvn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0	1 0	
	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 0	1 0	V
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 1050692864	1 0 1050692864	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 0 1050692864 3382212733	1 0 1050692864 3382212733	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 0 1050692864 3382212733 355.5	1 0 1050692864 3382212733 355.5 ± 0.0009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 0 1050692864 3382212733 355.5 355.5	1 0 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009	· · · · · · · · · · · · · · · · · · ·
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VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0 1050692864 3382212733 355.5 355.5 0 0 0 1 1050692864 3382212733 355.5 0 1 1 1	1 0 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 0 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 1 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 0 1050692864 3382212733 355.5 355.5 0 0 0 1 1050692864 3382212733 355.5 0 1 1 1 1 0	1 0 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 0 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 0 1 1 0 1 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_Initialize_Cnt_M_Igc VehDyn_LoSpdLearnt_Cnt_M_Igc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 0 1050692864 3382212733 355.5 355.5 0 0 0 1 1050692864 3382212733 355.5 355.5 0 1 1 1 0 1 1 0 1 1 0 1 1	1 0 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 0 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	1 0 1050692864 3382212733 355.5 355.5 0 0 0 1 1050692864 3382212733 355.5 355.5 0 1 1 1 1 0 1 1 0 1349.68396 -737.030029 13.9976301	1 0 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 0 0 1 1 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_Initialize_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc VehDyn_LoSpdLearnt_Cnt_M_Igc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_SrlHwAgVIdTimer_mS_M_u32	1 0 1050692864 3382212733 355.5 355.5 0 0 0 1 1050692864 3382212733 355.5 355.5 0 1 1 1 1 0 1 1 0 1349.68396 -737.030029 13.9976301 824746752	1 0 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 0 0 1 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_Initialize_Cnt_M_Igc VehDyn_LoSpdLearnt_Cnt_M_Igc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	1 0 1050692864 3382212733 355.5 355.5 0 0 0 1 1050692864 3382212733 355.5 355.5 0 1 1 1 1 0 1 1 0 1349.68396 -737.030029 13.9976301	1 0 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 0 0 1 1 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·



est Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Fest Step 2.142 (Repeat Count = 1)	Innut Volue
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.25
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000913999975
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	196.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.89999962
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
	2345892860
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000714000023
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000419999997
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.4000015
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.399994
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.3999962
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.10000022e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
/ehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	1

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1058.05396		
VehDyn_MinOffset_HwDeg_M_f32	-516.762024		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046000001		
VehDyn_SLPHwAuth_Uls_M_f32	0.713		
VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	-173.270004 1117112832		
k HiSpdVDAuthority Uls f32	0.340000004		
k HwTqMgnThd HwNm f32	5.44999981		
k LoSpdVDAuthority Uls f32	0		
k SrlHwAgVldTiThd mS u32	3229		
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985		
k_TravelXCDeadband_Uls_f32	27.0699997		
k_TraveIXCHwAuthority_UIs_f32	0.184450001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u32_ElapsedTime_mS_u332_El			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	-3	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-574.27002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1204.89001		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.649994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-10.3400002 1		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-173.270004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.900001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.7700005		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.0009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	2553156835 -10.3400002	2553156835 -10.3400002 ± 0.00009	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-10.3400002	-10.3400002 ± 0.00009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32		-10.3400002 ± 0.00009	→
	-10.3400002		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 1	1 1 1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1 1 1 0	1 1 0	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1 1 1	1 1 1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1 1 1 0	1 1 1 0 1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 1 1 0 1	1 1 1 0 1	

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Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.713	0.713 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-183.610001	-183.610001 ± 0.1	✓

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ama	Innut Value
ame trmnElapsedTime mS u32(ElapsedTime)	Input Value
\ . /	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
e_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.10000038
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.4000001
ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	85.5
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
	0.000423999998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc	1

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Name	Input Value		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1063.04602		
VehDyn_MinOffset_HwDeg_M_f32	-510.078003 -1.60000002		
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000460999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.694000006		
VehDyn_SLPHwPos_HwDog_M_f32	-163.009995		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	6.32000017		
k_LoSpdVDAuthority_Uls_f32	1		
k SrlHwAgVldTiThd mS u32	987		
k_SysKinRatio_MtrDegpHwDeg_f32	96.4000015		
k_TravelXCDeadband_Uls_f32	26.0400009		
k_TravelXCHwAuthority_Uls_f32	0.185674995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360		
target_GetSystemTime_mS_u32_CurrentTime	2659241984		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	Ti 1736795392		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-568.01001 1100.33104		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1199.32104 -6.80000019		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8799973		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-6.48000002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-163.009995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.4399986		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	rtoouit
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2659241984	2659241984	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-6.48000002	-6.48000002 ± 0.000009	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-6.48000002	-6.48000002 ± 0.0009	_
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lqc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc			
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1	1	-
	1 2553156835		· ·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32		1	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2553156835	1 2553156835	
	2553156835 2760420809	1 2553156835 2760420809	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2553156835 2760420809 -6.48000002	1 2553156835 2760420809 -6.48000002 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2553156835 2760420809 -6.48000002 -6.48000002 1	1 2553156835 2760420809 -6.48000002 ± 0.0009 -6.48000002 ± 0.000009 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	2553156835 2760420809 -6.48000002 -6.48000002 1 1	1 2553156835 2760420809 -6.48000002 ± 0.0009 -6.48000002 ± 0.000009 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1	1 2553156835 2760420809 -6.48000002 ± 0.0009 -6.48000002 ± 0.000009 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835	1 2553156835 2760420809 -6.48000002 ± 0.0009 -6.48000002 ± 0.000009 1 1 1 0 2553156835	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809	1 2553156835 2760420809 -6.48000002 ± 0.0009 -6.48000002 ± 0.000009 1 1 1 0 2553156835 2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002	1 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 2553156835 2760420809 -6.48000002 ± 0.000009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002	1 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 2553156835 2760420809 -6.48000002 ± 0.000009 -6.48000002 ± 0.000009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002	1 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 2553156835 2760420809 -6.48000002 ± 0.000009 -6.48000002 ± 0.000009 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1	1 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 2553156835 2760420809 -6.48000002 ± 0.000009 -6.48000002 ± 0.000009 1 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1 0	1 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 2553156835 2760420809 -6.48000002 ± 0.000009 1 -6.48000002 ± 0.000009 1 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1 0 0	1 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 2553156835 2760420809 -6.48000002 ± 0.000009 1 0 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1 0	1 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 2553156835 2760420809 -6.48000002 ± 0.000009 1 -6.48000002 ± 0.000009 1 0 0	

2015-09-15, 13:01:18+0530





Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1199.32104	1199.32104	~
VehDyn_MinOffset_HwDeg_M_f32	-568.01001	-568.01001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60240626	-1.60240626 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	494.649994	494.649994 ± 0.1	✓

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
eetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTim
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
kte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.599976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.600006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5999999
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	86.5999985
'ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	33198
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	31368
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005
/ehDyn_AutoChtrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoOntrDetSpd_M_str.Filter2Initialized_Ont_jge	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.80000019
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000717999996
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-444.170013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427999999
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoOntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.099998
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006
rehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.409998
ehDyn_AutoCntrLoSpd_M_str.CntrWindow HwDeg f32	52.099985
ehDyn AutoChtrLoSpd M str.Timer1Thresh mS u16	7034
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	39056
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_dis_i32	7.1399998e-005
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt13V_HwDeg_str.R_Uis_f32	-444.170013
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_i32	0.000918000005
/ehDyn_AutoCntrLoSpd_M_str.ReinwFosFiltzSv_Hwbeg_str.R_ois_i32	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc			
VehDyn_MixOffset_HwDeg_M_f32	1068.03796 -503.394012		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000461999996		
VehDyn SLPHwAuth Uls M f32	0.675000012		
VehDyn_SLPHwPos_HwDeg_M_f32	-152.75		
VehDyn SrlHwAgVldTimer mS M u32	4243378688		
k_HiSpdVDAuthority_Uls_f32	0.670000017		
k HwTqMgnThd HwNm f32	1		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	16445		
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985		
k_TravelXCDeadband_Uls_f32	25.0100002		
k_TravelXCHwAuthority_Uls_f32	0.186900005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832		
target_GetSystemTime_mS_u32_CurrentTime	2942063360		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	3437401088		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime$	4243378688		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	l 100	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Neb_Inst_Ap_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3561.75	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1193.75195		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.0999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.9899979		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.170013		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-152.75		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	8.19999981		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.020004		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
	•		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32		0 2942063360	•
	0		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 2942063360	2942063360	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 2942063360 2967684784	2942063360 2967684784	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 2942063360 2967684784 -444.170013 -444.170013	2942063360 2967684784 -444.170013 ± 0.0009	\ \ \
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 2942063360 2967684784 -444.170013 -444.170013 0	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0	3 3 3 3
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 2942063360 2967684784 -444.170013 -444.170013 0	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 2942063360 2967684784 -444.170013 -444.170013 0	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 2942063360 2967684784 -444.170013 -444.170013 0 0 1 2942063360	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0 0 1 2942063360	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 2942063360 2967684784 -444.170013 -444.170013 0 0 1 2942063360 2967684784	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0 0 1 2942063360 2967684784	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 2942063360 2967684784 -444.170013 -444.170013 0 0 1 2942063360 2967684784 -444.170013	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0 0 1 2942063360 2967684784 -444.170013 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 2942063360 2967684784 -444.170013 -444.170013 0 0 1 2942063360 2967684784 -444.170013	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0 0 1 2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 2942063360 2967684784 -444.170013 -444.170013 0 0 1 2942063360 2967684784 -444.170013	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0 0 1 2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 2942063360 2967684784 -444.170013 -444.170013 0 0 1 2942063360 2967684784 -444.170013 -444.170013 0 1	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0 0 1 2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 2942063360 2967684784 -444.170013 -444.170013 0 0 1 2942063360 2967684784 -444.170013	2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009 0 0 1 2942063360 2967684784 -444.170013 ± 0.0009 -444.170013 ± 0.0009	





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1193.75195	1193.75195	✓
VehDyn_MinOffset_HwDeg_M_f32	-561.75	-561.75	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7963247	-14.7963247 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.675000012	0.675000012 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-596.920044	-596.919983 ± 0.1	✓

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
otrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	290.100006
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	32.0999985
ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	18.1000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	32821
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	14442
ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3589476707
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrDetSpd_M_str.Thtet2_th3_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.R_olis_l32	1146.91003
ehDyn_AutoCntrDetSpd_W_str.Rel fwr osi iit25V_i fwDeg_str.Sv_ois_i32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092000002
ehbyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0.00092000002
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_w_str.Filter1mittalized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd M str.MtrVel MtrRadpS f32	126.400002
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	42.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrg_HwNm_f32	4.400001
ehDyn_AutoCntrHiSpd_M_str.CntrWindow HwDeg f32	63.2999992
, - ,	25532
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	27401
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3589476707
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000720000011
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432000001
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.199997
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.1999969
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.1999969
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.15999995e-005

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VehDyn_Per1



venDyn_Peri			Tazollab
Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092000002		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0	0	
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	40.2000008		
VehDyn_MinOffset_HwDeg_M_f32	-496.709991		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000463000004		
VehDyn_SLPHwAuth_Uls_M_f32	0.656000018		
VehDyn_SLPHwPos_HwDeg_M_f32	-142.490005		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864		
k_HiSpdVDAuthority_Uls_f32	0.119999997		
k_HwTqMgnThd_HwNm_f32	1.5		
k_LoSpdVDAuthority_Uls_f32	1		
<_SrlHwAgVldTiThd_mS_u32 <_SvslKinPatis_Attraction_Control to Page 160	32		
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031		
x_TravelXCDeadband_Uls_f32	23.9799995		
k_TravelXCHwAuthority_UIs_f32	0.188124999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
arget_GetSystemTime_mS_u32_CurrentTime	4243378688		
arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3:		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
rarget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-555.48999		
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1188.18298		
arget_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.4000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759		
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003		
arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-142.490005		
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.024994	1_	
Name	Actual Value	Expected Value	Res
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
Vabrus AutoCatallicad Mats Filters Initialized Cat. Inc.	4	4	

3589476707

3796740682

1146.91003

1146.91003

VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

0

3589476707

3796740682

1146.91003 ± 0.009

1146.91003 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	40.2000008	40.2000008	~
VehDyn_MinOffset_HwDeg_M_f32	-496.709991	-496.709991	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79298735	7.79298687 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.119999997	0.119999997 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
SetSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_lnst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AilownispuAutoCntt_Cnt_M_gc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.099976
/ehDyn_AutoCntrDetSpd_M_str.WitVel_MitRadpS_t32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
	96.099985
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	21335
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000921999977
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.8000031
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.100006
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000722000026
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000436000002
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.0999985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.0999985
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	3174948758

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1800001e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn Initialize Cnt M Iqc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1078.02197		
VehDyn_MinOffset_HwDeg_M_f32	-490.026001		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000464000012		
VehDyn_SLPHwAuth_Uls_M_f32	0.637000024		
VehDyn_SLPHwPos_HwDeg_M_f32	-132.229996		
VehDyn_SrlHwAgVIdTimer_mS_M_u32	295229312		
k_HiSpdVDAuthority_UIs_f32	0.75999999		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	9.19999981		
k SrlHwAqVldTiThd mS u32	4891		
k_SysKinRatio_MtrDegpHwDeg_f32	52.5		
k_TravelXCDeadband_Uls_f32	22.9500008		
k_TravelXCHwAuthority_Uls_f32	0.189349994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392		
target_GetSystemTime_mS_u32_CurrentTime	1117112832		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u322_ElapseTime_mS_u322_ElapseTime$	463842816		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTim$	3039943680		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3;		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	9	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	ıt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3:	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-549.22998		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1182.61401		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.69999981		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	159.990005 -1459.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-132.229996		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.063995		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32			
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
	2967684784 3174948758	2967684784 3174948758	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			· ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3174948758	3174948758	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	3174948758 -1459.40002 -1600 0	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0	*
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	3174948758 -1459.40002 -1600 0	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0	\rightarrow \frac{1}{\rightarrow \frac{1}{\rightarr
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	3174948758 -1459.40002 -1600 0 0	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	3174948758 -1459.40002 -1600 0 0 1	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758 -1459.40002 -1600 0 0 0 1 1117112832	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0 1 1117112832	\rightarrow \right
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758 -1459.40002 -1600 0 0 0 1 1117112832 3174948758	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0 1 1117112832 3174948758	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3174948758 -1459,40002 -1600 0 0 0 1 1117112832 3174948758 -1459,40002	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0 1 1117112832 3174948758 -1459.40002 ± 0.009	***************************************
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3174948758 -1459,40002 -1600 0 0 0 1 1117112832 3174948758 -1459,40002	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0 1 1117112832 3174948758 -1459.40002 ± 0.009 -1459.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	3174948758 -1459,40002 -1600 0 0 0 1 1117112832 3174948758 -1459,40002	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0 1 1117112832 3174948758 -1459.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3174948758 -1459,40002 -1600 0 0 0 1 1117112832 3174948758 -1459,40002 0	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0 1 1117112832 3174948758 -1459.40002 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	3174948758 -1459,40002 -1600 0 0 1 1117112832 3174948758 -1459,40002 -1459,40002 0	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0 1 1117112832 3174948758 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	3174948758 -1459,40002 -1600 0 0 1 1117112832 3174948758 -1459,40002 -1459,40002 0 1	3174948758 -1459.40002 ± 0.009 -1600 ± 0.009 0 0 1 1117112832 3174948758 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1078.02197	1078.02197	~
VehDyn_MinOffset_HwDeg_M_f32	910.170044	910.169983	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7880936	17.7880936 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	295229312	295229312	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1258	-1258 ± 0.1	~

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	497.299988
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	123.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	45.2999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
7 - 1	27401
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3174948758
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3382212733 459,209991
· - · ·	11 1111
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	111
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.60000002
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000440000003
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.3000031
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	34.2999992
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	3186

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Name Input Value VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948758 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 459.209991 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.20000025e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 459.209991 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000923999993 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 VehDyn_ForceCenterEnabled_Cnt_M_Igc 0 VehDyn_ForceCenterCffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_Igc 0 VehDyn_LoSpdLearnt_Cnt_M_Igc 0 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.Sv_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwPos HwDeg_M_f32 -1		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 459.209991 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.20000025e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 459.209991 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000923999993 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_PinTrqSV_M_str.K_UIs_f32		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 459.209991 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 7.20000025e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 459.209991 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 0.000923999993 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterCnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -7 VehDyn_PinTrqSV_M_str.SV_Uls_f32 0.00046499999 VehDyn_SLPHwAuth_Uls_M_f32 0.617999971		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 7.20000025e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 459.209991 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 0.000923999993 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -83.34201 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -7 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00046499999 VehDyn_SLPHwAuth_Uls_M_f32 0.617999971		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 459.209991 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 0.000923999993 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -7 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00046499999 VehDyn_SLPHwAuth_Uls_M_f32 0.617999971		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 0.000923999993 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -7 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00046499999 VehDyn_SLPHwAuth_Uls_M_f32 0.617999971		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_ForceCenterOffset_HwDeg_M_f32 -101.489998 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_MaxOffset_HwDeg_M_f32 1083.01404 VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_MinOffset_HwDeg_M_f32 -483.34201 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -7 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.00046499999 VehDyn_SLPHwAuth_UIs_M_f32 0.617999971		
VehDyn_PinTrqSV_M_str.SV_Uls_f32 -7 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00046499999 VehDyn_SLPHwAuth_Uls_M_f32 0.617999971		
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00046499999 VehDyn_SLPHwAuth_Uls_M_f32 0.617999971		
VehDyn_SLPHwAuth_Uls_M_f32 0.617999971		
VehDyn_SrlHwAgVldTimer_mS_M_u32 1316564736		
k_HiSpdVDAuthority_Uls_f32 0.779999971		
k_HwTqMgnThd_HwNm_f32 5.25		
k_LoSpdVDAuthority_Uls_f32		
k_SrlHwAgVldTiThd_mS_u32 91986		
k_SysKinRatio_MtrDegpHwDeg_f32 10.1000004		
k_TravelXCDeadband_Uls_f32 21.9200001		
k_TravelXCHwAuthority_Uls_f32 0.190575004		
target_DtrmnElapsedTime_mS_u32_ElapsedTime 3437401088		
target_GetSystemTime_mS_u32_CurrentTime 1736795392		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	COMEOT HWDog f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32		
	HwTorque_HwNm_f32	
	MotorVelCRF_MtrRadpS_f32	
	RelHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_S	_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_S	_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_VehDyn_Per1_S	_SrlHwAgVld_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_S		
	_TorqueCmdCRF_MtrNm_f32	
	_VehicleSpeedValid_Cnt_Igc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_V target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehicleSpeed_Kph_f32 target_VehicleSpee	_VehicleSpeed_Kph_f32	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value -342.909971 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1177.04504		
target VehDyn Per1 HwTorque HwNm f32.value -8		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1100		
target VehDyn Per1 RelHwPos HwDeg f32.value 459.209991		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 0		
target_VehDyn_Per1_SriHwAg_HwDeg_f32.value -121.970001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 387.100006		
Name Actual Value	·	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3382212733	3382212733	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 459.209991	459.209991 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1	1	Ž
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0	0	-
·	1736795392	✓
VehDvn AutoCntrHiSpd M str.Timer1 mS u32 1736795392	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1736795392 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733		•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733	459.209991 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733	459.209991 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 459.209991		*
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 459.209991 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 459.209991	459.209991 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 459.209991 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 459.209991 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	459.209991 ± 0.0009	<i>y y y</i>





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1177.04504	1177.04504	~
VehDyn_MinOffset_HwDeg_M_f32	-542.969971	-542.969971	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00023937	-7.00023937 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.617999971	0.617999971 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	337.23999	337.23999 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
'ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	31.3600006
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	125.300003
ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	16.2999992
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	78.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1001.01001
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000926000008
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	0
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000926000008
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	94.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.399994
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000725999998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000444000005
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	f.
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.4000015
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	18.3999996

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.4000015		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.21999968e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_Igc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1088.00598		
VehDyn_MinOffset_HwDeg_M_f32	-476.65799		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000465999998		
VehDyn_SLPHwAuth_Uls_M_f32	0.598999977		
VehDyn_SLPHwPos_HwDeg_M_f32	-111.709999		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192		
k_HiSpdVDAuthority_Uls_f32	0.233999997		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	12		
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004		
k_TravelXCDeadband_Uls_f32	20.8899994		
k_TravelXCHwAuthority_Uls_f32	0.191799998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776		
target_GetSystemTime_mS_u32_CurrentTime	3437401088		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_I		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_Hv		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed Kph f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-536.710022	-	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1171.47595		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.30000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.740005		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1001.01001		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-111.709999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.599999		
	1		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	398.145599		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		Evnested Value	l nor
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	•
Valabora Auto-Outellional Marta Dalliburga - Filh40V/ Hurbara - ta 0V/ His 100	4004 04004	4004 04004 + 0 000	

1001.01001

1001.01001

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

1001.01001 ± 0.009

1001.01001 ± 0.009



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1171.47595	1171.47595	~
VehDyn_MinOffset_HwDeg_M_f32	-536.710022	-536.710022	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.29330063	6.29330015 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1002.59003	1002.59003 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.099985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.099985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000928000023
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000928000023
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.400002
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	42.7999992
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3589476707
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	3796740682
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1312.29004
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000728000014
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1312.29004
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000448000006
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.5		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.5		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277		
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	3589476707 3796740682		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.23999983e-005		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1312.29004		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000928000023		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1002 00905		
VehDyn_MaxOffset_HwDeg_M_f32	1092.99805		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-469.973999 7.80000019		
VehDyn_PinTrqSV_M_str.Sv_Uis_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000467000005		
VehDyn_SLPHwAuth_Uls_M_f32	0.57999983		
VehDyn_SLPHwPos_HwDeg_M_f32	-101.449997		
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	45		
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985		
k_TravelXCDeadband_Uls_f32	19.8600006		
k_TravelXCHwAuthority_Uls_f32	0.193024993		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816		
target_GetSystemTime_mS_u32_CurrentTime		3494315776	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTimetarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	e 954802432 target_VehDyn_Per1_CcwEOT_HwDeg_f	ra 2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	y_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lg	jc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-530.450012 1165.00608		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target VehDyn Per1 HwTorque HwNm f32.value	1165.90698 -8.60000038		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759		
target VehDyn Per1 RelHwPos HwDeg f32.value	-1312.29004		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-101.449997		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VIVIOUS ALITOL DITLIONS DO BY CIT ENTOR INDIVIDUADO L'OT IGO			
	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 0 3494315776	0 3494315776	

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1092.99805	1092.99805	~
VehDyn_MinOffset_HwDeg_M_f32	781.840027	781.840027	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.7923665	7.79236603 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.579999983	0.579999983 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1413.73999	-1413.73999 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	124.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00092999998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092999998
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.5999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.9000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000730000029
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000452000007

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.6999969		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981 97.6999969		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3796740682		
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4004004656		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.25999998e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092999998		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc			
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	1 1097		
VehDyn MinOffset HwDeg M f32	-463		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468000013		
VehDyn_SLPHwAuth_Uls_M_f32	0.56099999		
VehDyn_SLPHwPos_HwDeg_M_f32	-91.1900024		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	6.5		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVIdTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992		
k_TravelXCDeadband_Uls_f32	18.8299999		
k_TraveIXCHwAuthority_UIs_f32	0.194250003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568 463842816		
target_GetSystemTime_mS_u32_CurrentTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f3:	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-524		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.89999962		
target_venDyn_Per1_Hw1orque_HwNm_r3z.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999		
target VehDyn Per1 RelHwPos HwDeg f32.value	1009.29999		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-91.1900024		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816	463842816	,
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	
VehDyn AutoCntrDetSnd M str RelHwPosFilt2SV HwDen str SV Llls f32	-157 490005	-157 490005 + 0 0009	•

-157.490005

0

0

VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc

VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

-157.490005 ± 0.0009

0

0





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	71	71	~
VehDyn_MinOffset_HwDeg_M_f32	-463	-463	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19427657	3.19427657 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	890.76001	890.76001 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.151 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000931999995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000456000009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	456.700012 86.8000031		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000031		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	4004004656		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	298.149994		
	0		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lqc	0		
VehDyn MaxOffset HwDeg M f32	1102.98206		
VehDyn MinOffset HwDeg M f32	-456.605988		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468999991		
VehDyn_SLPHwAuth_Uls_M_f32	0.541999996		
VehDyn_SLPHwPos_HwDeg_M_f32	-80.9300003		
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	0.00120000006		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	112		
k_SysKinRatio_MtrDegpHwDeg_f32	54.5		
k_TravelXCDeadband_Uls_f32	17.7999992		
k_TravelXCHwAuthority_Uls_f32	0.195474997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408 1759885568		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm f3		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	dpS f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-517.929993		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1154.76904		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.19999981 -835.869995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1503.19995		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-80.9300003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.440002		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	11334
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	٠,
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1503.19995	-1503.19995 ± 0.009	

-1503.19995

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

-1503.19995 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1154.76904	1154.76904	~
VehDyn_MinOffset_HwDeg_M_f32	-517.929993	-517.929993	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.40177107	-5.40177107 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000934000011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.8000031
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188

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Name VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	Input Value 4211268631 2160073393 240.300003 0.000734000001 240.300003 0.00046000001
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	2160073393 240.300003 0.000734000001 240.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	240.300003 0.000734000001 240.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0.000734000001 240.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	240.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0.00046000001
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.699969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.6999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.700008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53759 18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.30000029e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000934000011
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1107.974
VehDyn_MinOffset_HwDeg_M_f32	-449.921997
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000469999999
VehDyn_SLPHwAuth_Uls_M_f32	0.523000002
VehDyn_SLPHwPos_HwDeg_M_f32	-70.6699982
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_Uls_f32 k_HwTqMqnThd_HwNm_f32	0 1.10000002
	1
k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	41.099985
k_TravelXCDeadband_Uls_f32	16.7700005
k_TravelXCHwAuthority_Uls_f32	0.196700007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-511.670013
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1149.19995
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.5 935 400072
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.409973
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	240.300003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	70.000000
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-70.6699982 5 5000000
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	5.5999999
target_venDyn_Per1_venicleSpeedvalid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	1 120
tangot_vonibyii_i oi i_voilioloopeeu_t\pii_loz.value	Actual Value Expected Value Resu
Name	Actual value Resu





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1149.19995	1149.19995	~
VehDyn_MinOffset_HwDeg_M_f32	-511.670013	-511.670013	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59202671	7.59202719 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728	309385728	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-157.759995	-157.759995 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.153 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.8000031

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-692.390015
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000736000016
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000464000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-692.390015 7.3400074- 005
VehDyn_AutoCotrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	7.31999971e-005
VehDyn_AutoCotrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015
VehDyn_AutoCotrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	497.970001
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	1112.96594
VehDyn_MinOffset_HwDeg_M_f32	-443.238007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007
VehDyn_SLPHwAuth_Uls_M_f32	0.504000008
VehDyn_SLPHwPos_HwDeg_M_f32	-60.4099998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	54.099985
k_TravelXCDeadband_Uls_f32	15.7399998
k_TraveIXCHwAuthority_UIs_f32	0.197925001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984 target VehDyn Per1 CcwEOT HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VenDyn_Per1_CcwEO1_HwDeg_f32 target_VenDyn_Per1_CwEO1_HwDeg_f32
target_Rte_Inst_Ap_VenDyn.VenDyn_Peri_CwEO1_HwDeg_f32 target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_CwEO1_HwDeg_132 target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_inst_Ap_venDyn.VenDyn_Peri_HwiTorque_Hwim_t32 target_Rte_inst_Ap_vehDyn.VehDyn_Peri_MotorVelCRF_MtrRadpS_f32	target_venDyn_Per1_Mv1orque_Hwnm_32 target_vehDyn_Per1_MotorvelCRF_MtrRadpS_f32
target_Rte_inst_Ap_vehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target VehDyn Per1 SensorlessHwPos HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-505.410004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1143.63098
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-692.390015
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	1
target_venzyn_r er r_em im/ig/ta_ent_ige/value	
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-60.4099998
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	





Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1112.96594	1112.96594	✓
VehDyn_MinOffset_HwDeg_M_f32	186.980011	186.979996	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40206099	-5.40206099 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1190.35999	-1190.35999 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.154 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000937999983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.6999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000737999973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000468000013
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.900002
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.8999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.8999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.3399987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
	597.880005
VehDyn_ForceCenterOffset_HwDeg_M_f32	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1117.95801
VehDyn_MinOffset_HwDeg_M_f32	-436.553986
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472000014
VehDyn_SLPHwAuth_Uls_M_f32	0.485000014
	-50.1500015
VehDyn_SLPHwPos_HwDeg_M_f32	
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	700
k SysKinRatio MtrDegpHwDeg f32	63.5
k TravelXCDeadband Uls f32	14.71
k TravelXCHwAuthority Uls f32	0.199149996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-499.149994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.06201
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.359985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1385.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-50.1500015
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0





Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	1117.95801	1117.95801	•
VehDyn_MinOffset_HwDeg_M_f32	886.25	886.25	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49718106	1.49718106 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.155 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000939999998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00093999998
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0

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Nome	Innut Value
Name VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	Input Value
VehDyn AutoCntrDetSpd_m_str.Filter2initialized_Cnt_gc VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1700001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.7999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000472000014 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.36000002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.00093999998
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1122.94995
VehDyn_MinOffset_HwDeg_M_f32	-429.869995
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002 0.000472999993
VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32	0.465999991
VehDyn_SLPHwPos_HwDeg_M_f32	-39.8899994
VehDyn_SrlHwAgVldTimer_mS_M_u32	562716928
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	4.099999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031
k_TravelXCDeadband_Uls_f32	13.6800003
k_TraveIXCHwAuthority_UIs_f32	0.200375006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg /32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-492.890015 4432.40204
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1132.49304 -2
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-2 118.300003
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1036.69995
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Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-39.8899994		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1132.49304	1132.49304	✓
VehDyn_MinOffset_HwDeg_M_f32	-492.890015	-492.890015	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60021544	-1.60021544 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	562716928	562716928	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.156 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.39999962	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.3999996	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000942000013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.06999969
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000742000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000475999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
	i e
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.099998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.38000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	1127.94202
VehDyn_MinOffset_HwDeg_M_f32	-423.186005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000474
VehDyn_SLPHwAuth_Uls_M_f32	0.446999997
VehDyn_SLPHwPos_HwDeg_M_f32	-29.6299992
VehDyn_SrlHwAgVldTimer_mS_M_u32	1250412672
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k LoSpdVDAuthority Uls f32	0
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	96.099985
k_TravelXCDeadband_Uls_f32	12.6499996
k_TravelXCHwAuthority_Uls_f32	0.2016
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	954802432
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-486.630005





Name	Input Value		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1126.92395		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1307.94995		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-29.6299992		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.73999		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468	255468	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_MaxOffset_HwDeg_M_f32	1126.92395	1126.92395	
VehDyn_MinOffset_HwDeg_M_f32	-486.630005	-486.630005	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7906246	-14.7906246 ± 0.00009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	1250412672	1250412672	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	510.249939	510.25 ± 0.1	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.157 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.47000003
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-893.640015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129
	4.80000019
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	86.1999969
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	136.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn ForceCenterEnabled Cnt M Igc	0
VehDyn ForceCenterOffset HwDeg M f32	897.609985
	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1132.93396
VehDyn_MinOffset_HwDeg_M_f32	-416.502014
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn PinTrqSV M str.K Uls f32	0.000475000008
VehDyn_SLPHwAuth_Uls_M_f32	0.428000003
VehDyn SLPHwPos HwDeg M f32	
	-19.370008
VehDyn_SrlHwAgVldTimer_mS_M_u32	1529874944
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	1
k SrlHwAgVldTiThd mS u32	703
k SysKinRatio MtrDegpHwDeg f32	32.0999985
k TravelXCDeadband Uls f32	11.6199999
k_TraveIXCHwAuthority_UIs_f32	0.202824995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736
target_GetSystemTime_mS_u32_CurrentTime	3039943680
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
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Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_Vehicles	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-480.369995	-480.369995		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1121.35498	1121.35498		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.55999994			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-893.640015			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-19.3700008			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	~	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	~	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	✓	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✓	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_MaxOffset_HwDeg_M_f32	1132.93396	1132.93396	~	
VehDyn_MinOffset_HwDeg_M_f32	413.27002	413.269989	~	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7943058	17.7943077 ± 0.00009	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32	1529874944	1529874944	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-19.3700008	-19.3700008 ± 0.1	~	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.158 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.02002	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0
	75.1999969
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.0300007
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	616.409973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000483999989
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.41999975e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	l'
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	1137.92603
VehDyn MinOffset HwDeg M f32	-409.817993
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475999987
VehDyn_SLPHwAuth_Uls_M_f32	0.409000009
VehDyn_SLPHwPos_HwDeg_M_f32	-9.10999966
VehDyn_SrlHwAgVldTimer_mS_M_u32	889019776
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_UIs_f32	0
k SrlHwAgVldTiThd mS u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992
k_TravelXCDeadband_Uls_f32	10.5900002
k_TravelXCHwAuthority_Uls_f32	0.204050004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
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Name	Input Value				
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAg\	/ld_Cnt_lgc			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32				
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc				
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSp	peed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-474.109985				
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1115.78601	1115.78601			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.11999989				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8700027				
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	616.409973				
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1				
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-9.10999966				
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0				
target VehDyn Per1 VehicleSpeed Kph f32.value	489.450012				
Name	Actual Value	Expected Value	Resul		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•		
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	219286216	219286216			
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	•		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009			
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009			
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1			
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1			
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1			
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	0	0			
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736			
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886			
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	616.409973	616.409973 ± 0.0009			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009			
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0			
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0	0			
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0			
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736			
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2138628886	2138628886			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009			
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	0	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	,		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1			
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1			
VehDyn HiSpdLearnt Cnt M Igc	0	0			
VehDyn_Initialize_Cnt_M_lgc	1	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0			
VehDyn_Boopdccam_on_wi_gc VehDyn_MaxOffset_HwDeg_M_f32	499.376038	499.376007			
/ehDyn_MinOffset_HwDeg_M_f32	-409.817993	-409.817993			
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.99383116	-6.99383116 ± 0.000009			
VenDyn_rinnq3v_m_str.3v_dis_i32 VehDyn_SrlHwAgVldTimer_mS_M_u32	889019776	-0.99363110 ± 0.000009 889019776			
target VehDyn Per1 SensorlessAuthority Uls f32.value	1	1 ± 0.004			
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-9.10999966	-9.10999966 ± 0.1			

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	✓

Test Step 2.159 (Repeat Count = 1)		~
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.099985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.099999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.099985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.04
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000487999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	7.4399999e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFitt2SV_HwDeg_str.Sv_Ois_i32	-833.309998 0.000948000001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1142.91797
VehDyn_MinOffset_HwDeg_M_f32	-403.134003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000476999994
VehDyn_SLPHwAuth_Uls_M_f32	0.389999986
VehDyn_SLPHwPos_HwDeg_M_f32	1.14999998
VehDyn_SrlHwAgVldTimer_mS_M_u32	751082240
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	9.56000042
k_TraveIXCHwAuthority_UIs_f32	0.205274999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime target Rte Call Ap VehDyn SystemTime CetSystemTime mS u32 CurrentTime	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCl	RF_MtrRadpS_f32	
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos	HwDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_Sensorless	Authority Uls f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorless		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVk		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target VehDyn Per1 SrlHwAg H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmo	-	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-467.850006		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1110.21704		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.67999983		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4400024		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-833.309998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1.14999998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.900001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	- TOOUR
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	*
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468	255468	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833,309998	-833.309998 ± 0.0009	·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192	2075080192	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	·
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	*
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2345892860	2345892860	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-833.309998	-833.309998 ± 0.0009	*
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.FilterInitialized_Cnt_lgc		0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1	1	*
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_Initialize_Cnt_ivi_igc VehDyn_LoSpdLearnt_Cnt_M_igc	1	1	· ·
VehDyn MaxOffset HwDeg M f32	1110.21704	1110.21704	
VehDyn_MinOffset_HwDeg_M_f32	-467.850006	-467.850006	-
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30041265	6.30041265 ± 0.000009	
VehDyn_SrlHwAgVIdTimer_mS_M_u32	751082240	751082240	_
target VehDyn Per1 SensorlessAuthority Uls f32.value	1		
target_VenDyn_Per1_SensoriessAuthority_Uis_f32.value target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32.value		1 ± 0.004	
target_veribyri_Peril_SerisoriessnwPos_HwDeg_t32.value	-1600	-1600 ± 0.1	_

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 ChecknointReached	1	_

Test Step 2.160 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

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Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2999992
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.3000031
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.3000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.2999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759 30349
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000950000016
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.599985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.0500002
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.5999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492000021
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.599985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998 5.599999
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	41632
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.46000005e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
/ehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	1147.91003
/ehDyn_MinOffset_HwDeg_M_f32	-396.450012
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000478000002
ehDyn_SLPHwAuth_Uls_M_f32	0.370999992
/ehDyn_SLPHwPos_HwDeg_M_f32	11.409998
/ehDyn_SrlHwAgVldTimer_mS_M_u32	108313216
_HiSpdVDAuthority_Uls_f32	0
C_HwTqMgnThd_HwNm_f32	9.10000038
x_LoSpdVDAuthority_UIs_f32	0
c_SrlHwAgVldTiThd_mS_u32	20045
x_SysKinRatio_MtrDegpHwDeg_f32	25.2999992
x_TravelXCDeadband_Uls_f32	8.52999973
c_TraveIXCHwAuthority_UIs_f32	0.206499994
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080 954802432
arget_GetSystemTime_mS_u32_CurrentTime	





Name	Input Value		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	• • • • • • • • • • • • • • • • • • •		
target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32)	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	VDC9_102	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
		lm f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-461.589996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1104.64795		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.23999977		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1124.05005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	11.4099998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	~
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2553156835	2553156835	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt Cnt M lgc	1	1	
	1	1	
VehDyn_Initialize_Cnt_M_lgc	0	0	-
VehDyn_LoSpdLearnt_Cnt_M_lgc			V
VehDyn_MaxOffset_HwDeg_M_f32	1104.64795	1104.64795	•
VehDyn_MinOffset_HwDeg_M_f32	-461.589996	-461.589996	V
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1961098	15.1961098 ± 0.00009	V
VehDyn_SrlHwAgVldTimer_mS_M_u32	108313216	108313216	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.370999992	0.370999992 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1112.64001	-1112.64001 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	•

Test Step 2.161 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

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Name	Input Value
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000951999973
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
'ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
rehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34,2999992
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0500002
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
	31368
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn AutoCntrHiSpd M str.Timer1 mS u32	383750110
· - · ·	2760420809
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.099985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.4800002e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
/ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
/ehDyn_AutoOntrLoSpd_M_str.Filter2Enable_Ont_gc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
	0
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	
/ehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	1152.90198
/ehDyn_MinOffset_HwDeg_M_f32	-389.765991
ehDyn_PinTrqSV_M_str.SV_UIs_f32	14
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009
ehDyn_SLPHwAuth_Uls_M_f32	0.351999998
ehDyn_SLPHwPos_HwDeg_M_f32	21.6700001
/ehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
_HiSpdVDAuthority_Uls_f32	1
_HwTqMgnThd_HwNm_f32	0.119999997
LoSpdVDAuthority Uls f32	1
: SrIHwAgVIdTiThd mS u32	951
S_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
_TravelXCDeadband_Uls_f32	7.5
	0.207725003
HAVE AND IMPAULIOUS AND 197	0.201120000





Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_E	2942063360		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Ci	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-455.329987		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1099.07898		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.440002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-136.300003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	21.6700001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9639969		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1152.90198	1152.90198	V
VehDyn_MinOffset_HwDeg_M_f32	-319.029968	-319.029999	V
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.997057	13.997057 ± 0.00009	V
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	•



Test Step 2.162 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	200.600006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.599985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	63.5999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.300003
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-444.839996 7.590000346.005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	7.58000024e-005 -444.839996
VenDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	-444.839996 0.000961999991
VehDyn_AutoChtrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VenDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Errable_Cnt_lgc	0
/ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn ForceCenterOffset HwDeg M f32	1397.16003
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt Cnt M lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	-1157.89404
/ehDyn_MinOffset_HwDeg_M_f32	12.3000002
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
/ehDyn PinTrgSV M str.K Uls f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.333000004
VehDyn SLPHwPos HwDeg M f32	31.9300003
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k HiSpdVDAuthority Uls f32	0.899999976
	The state of the s
	5.44999981
k_HwTqMgnThd_HwNm_f32	5.44999981
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32	





Name	Input Value			
k TravelXCDeadband Uls f32	6.46999979			
k_TravelXCHwAuthority_Uls_f32	0.208949998			
target DtrmnElapsedTime mS u32 ElapsedTime	3304439296			
target_GetSystemTime_mS_u32_CurrentTime	824746752			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT				
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime	1050692864			
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci	nt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-449.070007			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1093.51001			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.35999966			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.839996			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	31.9300003			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230	1		
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	*	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✓	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	*	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	· ·	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCotrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCotrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752		
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	54822322	54822322		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009		
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0	0	_	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	1024	1024	~	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-444.839996	-444.839996 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓	
VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓	
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404	-1157.89404	~	
VehDyn_MinOffset_HwDeg_M_f32	12.3000002	12.3000002	·	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50328505	1.50328505 ± 0.000009	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



est Step 2.163 (Repeat Count = 1)	Innut Value
trmpElanedTime mS v22/ElanedTime\	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.099976
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.099998
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000953999988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000953999988
ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
ehDyn_AutoChtrDetSpd_M_str.Filter2Enable_Cht_lgc	1
, - ,	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.25
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.699997
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.25
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000753999979
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000500000024
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.199997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.19999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.5000036e-005
'ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-480.880005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000953999988
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
ehDyn_ForceCenterOffset_HwDeg_M_f32	1497.06995
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	1162.88599
ehDyn_MinOffset_HwDeg_M_f32	-376.39801
ehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479999988
ehDyn SLPHwAuth Uls M f32	0.31400001
ehbyn_SLPHwPos HwDeg M f32	42.1899986
ehDyn_StrHwAgVldTimer mS M u32	3039943680
, - ,	0
_HiSpdVDAuthority_Uls_f32	·
HwTaManThd HwNm f22	6.32000017
_HwTqMgnThd_HwNm_f32 _LoSpdVDAuthority_Uls_f32	0

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Name k Syekin Potio Mtr Dogn HwDog #22	Input Value 56.0999985		
k_SysKinRatio_MtrDegpHwDeg_f32	5.4400006		
k_TravelXCDeadband_Uls_f32	0.210174993		
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-442.809998		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1087.94104		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.92000008		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-480.880005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	42.1899986		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrlDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
	004746750	004746750	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2967684784 -480.880005	2967684784 -480.880005 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2967684784 -480.880005 -480.880005	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	2967684784 -480.880005 -480.880005 0	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	2967684784 -480.880005 -480.880005 0	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	2967684784 -480.880005 -480.880005 0	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	2967684784 -480.880005 -480.880005 0 0	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784 -480.880005 -480.880005 0 0 1 1 824746752	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 0	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 0 0	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 0 0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 0 0 1	2967684784 -480.880005 ± 0.0009 0 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 0 0 1 1 0 1 1 1 0 0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 1 0 0 1	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 0 0 1 1 1 0 0 1	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 1 1 10000	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 0 0 1 1 1 100	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_IspdLearnt_Cnt_M_Igc VehDyn_LoSpdLearnt_Cnt_M_Igc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	2967684784 -480.880005 -480.880005 0 0 1 1 824746752 2967684784 -480.880005 0 1 1 1 1 0 0 0 1 1 1087.94104 -442.809998	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 1 0 0 1 1 1087.94104 -442.809998	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	2967684784 -480.880005 -480.880005 0 0 1 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 1 1 0 0 0 1 1 1087.94104 -442.809998 8.90007687	2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 1 0 0 1 11087.94104 -442.809998 8.90007687 ± 0.00009	



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Fest Step 2.164 (Repeat Count = 1)	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000956000003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000956000003
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120.400002
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.25
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	0.000755999994
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00503999996
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	120 500009
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.599998
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.600006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.6000004
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.51999978e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000956000003
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	0

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1167.87805		
VehDyn_MinOffset_HwDeg_M_f32	-369.713989		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000480999995		
VehDyn_SLPHwAuth_Uls_M_f32	0.294999987		
VehDyn_SLPHwPos_HwDeg_M_f32	52.4500008 1316564736		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32	1		
k HwTgMgnThd HwNm f32	1		
k_LoSpdVDAuthority_Uls_f32	1		
k SrlHwAgVldTiThd mS u32	70		
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985		
k TravelXCDeadband Uls f32	4.40999985		
k TravelXCHwAuthority Uls f32	0.211400002		
target DtrmnElapsedTime mS u32 ElapsedTime	4164171008		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-436.549988		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1082.37195		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.47999954		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	710.950012		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0 52.4500008		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127.450996		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	resuit
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	Ĵ
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	-
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3174948758	3174948758	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	~
vens) tateena zeepaeaten ee. a.zee vzeg_ea.e v_ensez		0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc			•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 0 1	0 0 1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 0 1 0	0 0 1 0	***
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 1 0 1 1	0 0 1 0 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 0 1 0 1 1 1 1082.37195	0 0 1 0 1 1 1 1082.37195	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 1 0 1 1	0 0 1 0 1	***





Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-886.029968	-886.030029 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Innut Value
	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.399996
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	36416
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
rehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_Uls_f32	-714.090027
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.700012
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.699997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.6999998
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0

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Nama	Input Value		
Name VehDyn_ForceCenterEnabled_Cnt_M_lgc	Input Value		
VehDyn ForceCenterOffset HwDeg M f32	-1500.22998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1172.87		
VehDyn_MinOffset_HwDeg_M_f32	-363.029999		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993		
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991		
VehDyn_SrlHwAgVldTimer_mS_M_u32	185613824		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	1.5		
k_LoSpdVDAuthority_UIs_f32	0.89999976		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997		
k_TravelXCDeadband_UIs_f32	3.38000011 0.212624997		
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVId_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	62.7099991		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999 0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230		
		Function Value	Daguit
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 1024	1024	
VehDyn AutoCntrDetSpd M str.Timer ms_us2	54822322	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	824746752	824746752	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	_
VehDyn_Initialize_Cnt_M_lgc	1	1	
venbyii_iiiittalize_Giit_ivi_gc	1	<u>'</u>	





Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	✓
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157	1.49870157 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	185613824	185613824	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	786.139954	786.140015 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.099985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
	52.099985
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291 7778
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4044004656
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000958000019
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4499969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.799988
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	4004004656
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	110.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1400.31995		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1177.86206		
VehDyn MinOffset HwDeg M f32	-369.75		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000482000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.256999999		
VehDyn_SLPHwPos_HwDeg_M_f32	72.9700012		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2085618048		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	9.19999981		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	3229		
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992		
k_TravelXCDeadband_Uls_f32	2.3499999		
k_TravelXCHwAuthority_Uls_f32	0.213850006		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624		
target_GetSystemTime_mS_u32_CurrentTime	954802432		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_CatSystemTime_mS_u32_CurrentTime			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	150 <u>9</u> _102	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	Im f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-424.029999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1071.23401		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.22000003		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	110.5		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	72.9700012		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001	I=	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656 4211268631	4004004656 4211268631	
VehDyn_AutoCntrDetSpd_M_str.Hiner2_ms_us2 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5		~
VehDyn AutoCntrDetSpd M str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009 110.5 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	*
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	110.5	110.5 ± 0.0009	Y
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	110.5	110.5 ± 0.0009	-
Tono ,			





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	960.734009	960.734009	✓
VehDyn_MinOffset_HwDeg_M_f32	-369.75	-369.75	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39797401	-5.39797354 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2085618048	2085618048	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1510.81995	1510.81995 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
setSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.1999969
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
	38868
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38708
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	0.000959999976
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.799988
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.900024
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.9000015
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.56000009e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976

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Input Value



VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1182.854		
VehDyn_MinOffset_HwDeg_M_f32	-376.470001		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483000011		
VehDyn SLPHwAuth Uls M f32	0.238000005		
VehDyn_SLPHwPos_HwDeg_M_f32	83.2300034		
VehDyn_SrlHwAgVldTimer_mS_M_u32	270987008		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	5.25		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	987		
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985		
k_TravelXCDeadband_Uls_f32	1.32000005		
k_TravelXCHwAuthority_Uls_f32	0.215075001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312		
target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_target_Rte_Call_Ap_Ve			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
	target VehDyn Per1 TorqueCmdCRF MtrN	lm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MelHwPos_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1	nt_lgc 2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value	nt_lgc 2 Expected Value	Result
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value	Expected Value	~
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value	Expected Value 1 4211268631	~
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value	Expected Value 1 4211268631 2160073393	*
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value 1 4211268631	Expected Value 1 4211268631	~
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value 1 4211268631 2160073393	Expected Value 1 4211268631 2160073393	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value 1 4211268631 2160073393 -1014.73999	Expected Value 1 4211268631 2160073393 -1014.73999 ± 0.009	\rightarrow \right
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value 1 4211268631 2160073393 -1014.73999	Expected Value 1 4211268631 2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value 1 4211268631 2160073393 -1014.73999 1	Expected Value 1 4211268631 2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_Vld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_Au	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value 1 4211268631 2160073393 -1014.73999 -1014.73999 1 1 0 2728878080 2160073393 -1014.73999 0 0 0 1 2728878080 2160073393 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999	Expected Value 1 4211268631 2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 1 1 1 0 2728878080 2160073393 -1014.73999 ± 0.009 0 0 0 1 2728878080 2160073393 -1014.73999 ± 0.009 0 1 2728878080 2160073393 -1014.73999 ± 0.009	· · · · · · · · · · · · · · · · · · ·
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Pinitialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_Auto	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value 1 4211266631 2160073393 -1014.73999 -1014.73999 1 1 1 2728878080 2160073393 -1014.73999 0 0 0 1 2728878080 2160073393 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999	Expected Value 1 4211268631 2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 1 1 1 0 2728878080 2160073393 -1014.73999 ± 0.009 0 0 0 1 2728878080 2160073393 -1014.73999 ± 0.009 0 0 1 2728878080 216007393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 -1014.73999 ± 0.009 -1014.73999 ± 0.009 -1014.73999 ± 0.009	· · · · · · · · · · · · · · · · · · ·
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_Vld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_Au	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 -417.769989 1065.66504 -1.33000004 -835.440002 -1014.73999 0 83.2300034 5.5999999 1 120.410004 Actual Value 1 4211268631 2160073393 -1014.73999 -1014.73999 1 1 0 2728878080 2160073393 -1014.73999 0 0 0 1 2728878080 2160073393 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999 -1014.73999	Expected Value 1 4211268631 2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 1 1 1 0 2728878080 2160073393 -1014.73999 ± 0.009 0 0 0 1 2728878080 2160073393 -1014.73999 ± 0.009 0 1 2728878080 2160073393 -1014.73999 ± 0.009	***************************************





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1065.66504	1065.66504	✓
VehDyn_MinOffset_HwDeg_M_f32	-417.769989	-417.769989	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59575272	7.59575272 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	270987008	270987008	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	285.670044	285.670013 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te Inst Ap VehDyn	target Rte Inst Ap VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	63.2999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	58869
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.5
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	54822322

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VenDyn AssOntiveSpr M. FillerTiersler Chill po	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988		
VenDrug Authorit Asset M. Ferter Financia, Crit. pc VenDrug Proceder Formatic of Crit. M. pc VenDrug Proc	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991		
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VerbOyD_ ForceContendiated_Coff_Mig_ 90	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc			
Verbilding ForceContent Funding M, ID2	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc			
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Velhyp, SI-Hwkey, Moley, M. 92 Velhyp, SI-Hwkey, Moley, M. 92 Velhyp, SI-Hwkey, Moley, M. 92 Velhyp, SI-Hwkey, Melley, M. 92 Velhyp, Melley, M. 92 Velhyp, Melley, M. 93 Velhyp, Melley, Melley, M. 93 Velhyp, Melley, M.				
Verbins SEH-Hoke_Hoke_M				
VeD/Dp. SHHWPOB_HOSE_M_S_J_J_J_J_J_J_J_J_J_J_J_J_J_J_J_J_J_J				
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target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_CowEOT_HwDeg_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_LwEoT_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_LwEoT_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_HwTorque_HwNm_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_HwTorque_HwNm_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_HwTorque_HwNm_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_RellwEves_HwDeg_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_RellwEves_HwDeg_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_RellwEves_HwDeg_I32 target_VehDyn_Pert_RellwEves_HwDeg_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_I32 target_VehDyn_Pert_RellwEves_HwDeg_I32 target_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthority_Uis_Rite_Inst_Ap_VehDyn_Pert_SensoriessAuthorit	$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elapsed$	1662097408		
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target_Re_Inst_Ap_VehDyn.Per1_SensorlessHwPos_HwDeg_f32 target_Re_Inst_Ap_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn.Per1_VehicleSpeed_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn.Per1_VehicleSpeed_VehDyn.Per1_VehicleSpeed_VehDyn.Per1_VehicleSpeed_VehDyn.Per1_VehicleSpeed_VehDyn.Per1_VehicleSpeed_Kpf_f32 target_VehDyn.Per1_VehicleSpeed_Kpf_f32 target_VehDyn.Per1_VehiclSpeed_Kpf_f32 target_VehDyn.Per1_VehiclSpeed_Kpf_f32 target_VehDyn.Per1_VehiclSpeed_Kpf_f32 target_VehDyn.Per1_VehiclSpeed_Kpf_f32 target_VehDyn.Per1_VehiclSpeed_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSpeed_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per1_VehiclSped_VehDyn.Per				
target_Rel_inst_Ap_VehDyn_Perl_SrithwAgVid_Cnt_lgc target_Rel_inst_Ap_VehDyn_Perl_SrithwAg_HwDeg_132 target_Rel_inst_Ap_VehDyn_VehDyn_Perl_CriqueCmdCRF_Mrthm_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Perl_CriqueCmdCRF_Mrthm_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Perl_VehicleSpeedValid_Cnt_lgc target_Rel_inst_Ap_VehDyn_VehDyn_Perl_VehicleSpeed_Kph_f32 target_VehDyn_Perl_CweCDT_HwDeg_132_Value target_VehDyn_Perl_CweCDT_HwDeg_132_Value target_VehDyn_Perl_CweCDT_HwDeg_132_Value target_VehDyn_Perl_CweCDT_HwDeg_132_Value target_VehDyn_Perl_RelHwPog_Fill_VehEg_513_Value target_VehDyn_Perl_RelHwPog_Fill_VehEg_513_Value target_VehDyn_Perl_RelHwPog_Fill_VehEg_513_Value target_VehDyn_Perl_RelHwPog_Fill_VehEg_513_Value target_VehDyn_Perl_RelHwPog_Fill_VehEg_513_Value target_VehDyn_Perl_RelHwPog_Fill_VehEg_513_Value target_VehDyn_Perl_RelHwPog_Fill_VehEg_513_Value target_VehDyn_Perl_RelHwPog_Fill_VehEg_513_Value target_VehDyn_Perl_SritHwAgVid_Cnt_lgc_value target_VehDyn_Perl_SrithwAg_Vid_Cnt_lgc_value target_VehDyn_Perl_TrorqueCmdCRF_Mrthm_f32_Value target_VehDyn_Perl_TrorqueCmdCRF_Mrthm_f32_Value target_VehDyn_Perl_VehicleSpeedValid_Cnt_lgc_value target_VehDyn_Perl_VehicleSpeedValid_Cnt_lgc_value target_VehDyn_Perl_VehicleSpeedValid_Cnt_lgc_value target_VehDyn_Perl_VehicleSpeedValid_Cnt_lgc_value target_VehDyn_AllowHiSpdAulocntr_Cnt_M_lgc 0 0 0 VehDyn_AllowHiSpdAulocntr_Cnt_M_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 54822322 54822322 54822322 54822322 54822322 54822322 54822322 54822322 54822323 54822322 54822324 548Dyn_AutoCntrDetSpd_M_str.Filter_Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter_Enable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter_Enable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 284299988 284299988 284299988 0.0009 284Dyn_AutoCntrHiSpd_M_str.Filter_Enable_Cnt_lgc 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
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target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_CwebCT_HwDeg_f32_value 411.51001 target_VehDyn_Pert_CwebCT_HwDeg_f32_value 1060.09595 target_VehDyn_Pert_DwDeg_f32_value 1.44000006 target_VehDyn_Pert_Mororue_HwMm_f32_value 4.56 target_VehDyn_Pert_Mororue_HwMm_f32_value 2842.299988 target_VehDyn_Pert_MororwelCRF_MtrRadps_f32_value 2842.299988 target_VehDyn_Pert_StrHwAgVid_Cnt_lgc_value 0 target_VehDyn_Pert_StrHwAgVid_Cnt_lgc_value 34.599999 target_VehDyn_Pert_StrHwAg_HwDeg_f32_value 34.599999 target_VehDyn_Pert_VehicleSpeedValid_Cnt_lgc_value 0 target_VehDyn_Pert_VehicleSpeed_Kph_f32_value 230 Target_VehDyn_Pert_VehicleSpeed_Kph_f32_value 0 target_VehDyn_AutoCntrDetSped_Mph_f32_value 0 target_VehDyn_AutoCntrDetSped_Kph_f32_value 0 target_VehDyn_AutoCntrDetSped_Mph_f32_value 0 target_VehDyn_AutoCntrDetSped_Mph_f32_value 0 target_VehDyn_AutoCntrDetSped_Mph_f32_value 0 tehDyn_AutoCntrDetSped_Mph_f32_value 0 tehDyn_AutoCntrDetSpd_Mph_f32_value 0 tehDyn_AutoCntrDetSpd_Mph_f3			m #22	
target_Rel_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CoxEOT_HWDeg_f32_value 411.51001 target_VehDyn_Per1_CoxEOT_HWDeg_f32_value 1060.09595 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32_value -1.44000006 target_VehDyn_Per1_RelHwPos_HwDeg_f32_value -1.44000006 target_VehDyn_Per1_RelHwPos_HwDeg_f32_value -284.299988 target_VehDyn_Per1_RelHwPos_HwDeg_f32_value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32_value 93.4899979 target_VehDyn_Per1_SrlHwAg_HwDeg_f32_value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc_value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 230 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Ont_M lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 54822322 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 <t< td=""><td></td><td></td><td></td><td></td></t<>				
target_VehDyn_Per1_CxCeCOT_HwDeg_f32.value				
target_VehDyn_Per1_LwTorque_HwDeg_f32.value			2	
target_VehDyn_Perl_HwTorque_HwNm_f32.value				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value				
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value				
target_VehDyn_Per1_SrlHwAg_HWDeg_f32.value 93.4899979 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Ont_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 230 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2m_su32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.Filter2m_su32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Ul		-284.299988		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 230 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1024 54822322 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 <td< td=""><td>target VehDyn Per1 SrlHwAgVld Cnt Igc.value</td><td>0</td><td></td><td></td></td<>	target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0		
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Name	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_Auto	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
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VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	Name	Actual Value	Expected Value	Result
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1				•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1				•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1				•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -284.299988 -284.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1				•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1	, - ,			•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1				•
, _ ,				•
VenDyn_AutoUntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1				•
, = , = = = = = = = = = = = = = = = = =				•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_lgc 1024				
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1024 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 54822322				Ĭ





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1060.09595	1060.09595	~
VehDyn_MinOffset_HwDeg_M_f32	-411.51001	-411.51001	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49854183	1.49854183 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	333	333	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.218999997	0.218999997 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-190.809998	-190.809998 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
htmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
SetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	457.100006
ehDyn_AutoChtrDetSpd_M_str.VehSpd_kph_f32	34.099985
ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	12.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	88.099985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_ns_u16	18715
, =	54822322
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000964000006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.7999992
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6000004
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.599998
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	1024

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.5999966e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801		
VehDyn_MinOffset_HwDeg_M_f32	-389.910004		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000484999997		
VehDyn_SLPHwAuth_Uls_M_f32	0.200000003 103.75		
VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	12		
k HiSpdVDAuthority Uls f32	1		
k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	32		
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031		
k_TravelXCDeadband_Uls_f32	4.46000004		
k_TravelXCHwAuthority_Uls_f32	0.217525005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VenDyn.VenDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_venDyn_Per1_motorveiCRF_mitrRadps_rs2 target_VehDyn_Per1_RelHwPos_HwDeg_r32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3:	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-405.25		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	1054.52698 -1.54999995		
target_VehDyn_Per1_mwTorque_mwnin_isz.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	987.5		
target VehDyn Per1 RelHwPos HwDeg f32.value	1259.78003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	103.75		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.641006		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	1259.78003 1259.78003	1259.78003 ± 0.009	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1259.78003	1259.78003 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	Ž
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	*
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCatrl oSpd_M_str.Timer1_mS_u32	309385728	309385728	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801	-1192.83801	•
VehDyn_MinOffset_HwDeg_M_f32	-389.910004	-389.910004	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000253	-1.60000253 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	12	12	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lomo	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.19999981
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.2000008
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1999969
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1226.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000966000021
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000966000021
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.7000008
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	96.8000031
ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	8.80000019
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	12.6000004
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	32821
'ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	53946
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	109643620
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1226.09998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000766000012
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1226.09998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000523999974
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
'ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	56.5
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	126.5
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	14.5
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	86.5

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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620			
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1226.09998			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.61999981e-005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000966000021			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0			
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	1197.82996			
VehDyn_MaxOffset_HwDeg_M_f32	-396.630005			
VehDyn_MinOffset_HwDeg_M_f32	-14.8000002			
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000486000004			
VehDyn SLPHwAuth Uls M f32	0.180999994			
VehDyn_SLPHwPos_HwDeg_M_f32	114.010002			
VehDyn SrlHwAgVldTimer mS M u32	142869376			
k_HiSpdVDAuthority_Uls_f32	0			
k_HwTqMgnThd_HwNm_f32	6.5			
k_LoSpdVDAuthority_UIs_f32	1			
k_SrlHwAgVldTiThd_mS_u32	4891			
k_SysKinRatio_MtrDegpHwDeg_f32	96.1999969			
k_TravelXCDeadband_Uls_f32	6.03000021			
k_TravelXCHwAuthority_Uls_f32	0.21875			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504			
target_GetSystemTime_mS_u32_CurrentTime	4164171008			
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	4243378688			
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	89763			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	400		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3398.98999	2		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1048.95801			
target VehDyn Per1 HwTorque HwNm f32.value	-1.65999997			
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	1023.04999			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1226.09998			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	114.010002			
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-1.89999998			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1		
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	109643620	109643620	•	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1226.09998	1226.09998 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998	1226.09998 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
	0	0		
vendyn autochtrdetspa ivi str.fiiterzenable cht iac		0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0			
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 4164171008		•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1	1 4164171008 4290967295	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 4164171008 4290967295	1 4164171008	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 4164171008 4290967295 1226.09998	1 4164171008 4290967295 1226.09998 ± 0.009		



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1226.09998	1226.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998	1226.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-177.141968	-177.141998	~
VehDyn_MinOffset_HwDeg_M_f32	-396.630005	-396.630005	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7936239	-14.7936239 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	142869376	142869376	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	114.010002	114.010002 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.171 (Repeat Count = 1)	Invest Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.299988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.3000031
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.29999995
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.3000002
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000967999978
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000967999978
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.4400024
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.44000006
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.7999992
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000768000027
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	934.299988
'ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000528000004
'ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	86.3000031
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	136.300003

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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918			
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.63999997e-005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000967999978			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0			
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002 0			
VehDyn_HiSpdLearnt_Cnt_M_lgc	0			
VehDyn_Initialize_Cnt_M_lgc	0			
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	1202.82202			
VehDyn_MinOffset_HwDeg_M_f32	-403.350006			
VehDyn PinTrqSV M str.SV Uls f32	17.7999992			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000487000012			
VehDyn SLPHwAuth Uls M f32	0.162			
VehDyn SLPHwPos HwDeg M f32	124.269997			
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192			
k HiSpdVDAuthority Uls f32	1			
k_HwTqMgnThd_HwNm_f32	0.00120000006			
k_LoSpdVDAuthority_UIs_f32	0			
k_SrlHwAgVldTiThd_mS_u32	91986			
k_SysKinRatio_MtrDegpHwDeg_f32	32.4000015			
k_TravelXCDeadband_Uls_f32	7.5999999			
k_TravelXCHwAuthority_UIs_f32	0.219974995			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832			
target_GetSystemTime_mS_u32_CurrentTime	437658624			
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u332_ElapseTim$	Ti 1050692864			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32		target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_U	_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	vDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target VehDyn Per1 VehicleSpeedValid Ci	_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3			
target VehDyn Per1 CcwEOT HwDeg f32.value	-392.730011	, <u>,</u>		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1043.38904			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.76999998			
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-147.365005			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	934.299988			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	124.269997			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.85199			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	-	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	-	
Venibyn_nateonabetopa_in_stan interrenable_one_igo	0	0	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	•		-	
	1	1	-	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc		0	-	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1		~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 0 437658624	0 437658624	7	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	437658624	437658624	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1043.38904	1043.38904	~
VehDyn_MinOffset_HwDeg_M_f32	-392.730011	-392.730011	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7905922	17.7905922 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.1000004
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000969999994
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000969999994
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.8000031
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.5999985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7000008
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000769999984
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000531999976
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0

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VehDyn_Per1



Name VehDvn AutoCotrHiSod M str Filter1Initialized Cot Igo	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrloSpd_M_str.MtrVel_MtrRadpS_f32	75.1999969		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.199997		
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	18.2000008		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.2000008		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.66000012e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998		
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000969999994		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1207.81396		
VehDyn_MinOffset_HwDeg_M_f32	-410.070007		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000487999991		
VehDyn_SLPHwAuth_UIs_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.143000007 134.529999		
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432		
k HiSpdVDAuthority Uls f32	0		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k LoSpdVDAuthority Uls f32	1		
k_SrlHwAgVldTiThd_mS_u32	12		
k_SysKinRatio_MtrDegpHwDeg_f32	52.7000008		
k_TravelXCDeadband_Uls_f32	9.17000008		
k_TraveIXCHwAuthority_UIs_f32	0.221200004		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560		
target_GetSystemTime_mS_u32_CurrentTime	3941357312		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_the College of the Coll			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime		600	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg target_VehDyn_Per1_CwEOT_HwDeg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	s_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVid_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_	lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kp	h_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-386.470001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1037.81995		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1.88 88		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1187.09998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	134.529999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	219286216	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•

VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1037.81995	1037.81995	~
VehDyn_MinOffset_HwDeg_M_f32	-386.470001	-386.470001	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.9975791	-6.9975791 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.173 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000972000009
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000972000009
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.6999969
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5999985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000771999999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000536000007

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.0999985		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514		
VehDyn_AutoCotrl_oSpd_M_str.Timer2_mS_u32	2345892860 1297.32996		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	7.68000027e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000972000009		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1212.80603		
VehDyn_MinOffset_HwDeg_M_f32	-416.790009		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000488999998 0.123999998		
VehDyn_SLPHwPos_HwDeg_M_f32	144.789993		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1001845248		
k_HiSpdVDAuthority_UIs_f32	0		
k HwTqMgnThd HwNm f32	2.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	45		
k_SysKinRatio_MtrDegpHwDeg_f32	10.5		
k_TravelXCDeadband_Uls_f32	10.7399998		
k_TravelXCHwAuthority_Uls_f32	0.222424999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2430672128		
target_GetSystemTime_mS_u32_CurrentTime	3304439296		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg 1		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32			
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_venDyn_Per1_SensonessHwPos_HwDeg_t32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SriHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-380.209991		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1032.25098		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.99000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4100037		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1297.32996		
target_VehDyn_Per1_SrlHwAg.Vld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	144.789993		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	4.9000001		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.053986		
		Expected Value	Result
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	1	Result
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	274107514	274107514	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	
VehDyn_AutoCntrDetSpd_M_str.Timle12_IIIS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	1297.32996	1297.32996 ± 0.009	
VehDvn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32990	1297 32996 + 0 009	

1297.32996

0

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc$

VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

1297.32996 ± 0.009



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	-265.078979	-265.07901	~
VehDyn_MinOffset_HwDeg_M_f32	-416.790009	-416.790009	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.29617453	6.29617453 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1001845248	1001845248	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	144.789993	144.789993 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.174 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.7999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.80000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.7999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000974000024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000974000024
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.9000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.8000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.7000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000539999979
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.400002
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrloSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	41632 328928812
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.6999997e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1361.30005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000974000024
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1217.79797
VehDyn_MinOffset_HwDeg_M_f32	-423.51001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000490000006
VehDyn_SLPHwAuth_Uls_M_f32	0.104999997
VehDyn_SLPHwPos_HwDeg_M_f32	155.050003
VehDyn_SrlHwAgVldTimer_mS_M_u32	1807164800
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	25.4500008 12.3100004
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0.223649994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176
target_GetSystemTime_mS_u32_CurrentTime	2167769344
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_Dthinic_lapsedTime_iniS_u32_ClapsedTime_arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-373.950012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1026.68201
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.0999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154
	1361.30005
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1 155.050003
target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1 155.050003 -4.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 155.050003 -4.5 0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	1 155.050003 -4.5 0 75
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 155.050003 -4.5 0





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-334.618042	-334.618011	~
VehDyn_MinOffset_HwDeg_M_f32	-423.51001	-423.51001	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1914358	15.1914368 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1807164800	1807164800	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.175 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000975999981
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000975999981
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.5999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0100002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.6999969

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110 2760420800
VenDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2760420809 586.059998
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_UIs_f32	0.000775999972
VehDyn AutoCntrHiSpd M str.ReihwPosFilt2SV HwDeg str.K_0is_i32 VehDyn AutoCntrHiSpd M str.ReihwPosFilt2SV HwDeg str.SV Uls f32	586.059998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00054400001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.71999985e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	586.059998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000975999981
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCotrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	1 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn ForceCenterOffset HwDeg M f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	-01.130000
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	1222.79004
VehDyn_MinOffset_HwDeg_M_f32	-430.230011
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000491000013
VehDyn_SLPHwAuth_Uls_M_f32	0.0860000029
VehDyn_SLPHwPos_HwDeg_M_f32	165.309998
VehDyn_SrlHwAgVldTimer_mS_M_u32	43238144
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	86.4499969
k_TraveIXCDeadband_Uls_f32	13.8800001
k_TraveIXCHwAuthority_UIs_f32	0.224875003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	309385728 target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg 132	target_VehDyn_Per1_CcwEO1_nwDeg_i32 target_VehDyn_Per1_CwEOT_HwDeg_i32
target_Rte_inst_Ap_venDyn_VenDyn_Per1_HwTorque_HwNm_f32	target_VenDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f32
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-367.690002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1021.11298
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.21000004
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.541016
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	586.059998
	I.a.
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	0 165.309998
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	165.309998 4.9000001
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	165.309998





Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1021.11298	1021.11298	✓
VehDyn_MinOffset_HwDeg_M_f32	-367.690002	-367.690002	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9920683	13.9920683 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	43238144	43238144	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0860000029	0.0860000029 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	751.369995	751.369995 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.176 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.900024
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.900002
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.9000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000977999996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000977999996
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.79999995
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.800003
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000547999982
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.399994
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	7.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	3186
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.74e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000977999996
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1227.78198
VehDyn_MinOffset_HwDeg_M_f32	-436.950012
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.00492000021 0.0670000017
VehDyn_SLPHwAuth_UIs_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	175.570007
VehDyn_SrlHwAgVldTimer_mS_M_u32	484033152
k HiSpdVDAuthority Uls f32	1
k HwTqMgnThd HwNm f32	5.099999
k LoSpdVDAuthority Uls f32	0
k SrlHwAgVldTiThd mS u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	56.1300011
k_TravelXCDeadband_Uls_f32	15.4499998
k_TravelXCHwAuthority_Uls_f32	0.226099998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target_GetSystemTime_mS_u32_CurrentTime	3323480832
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	7858
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -361.429993
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-361.429993 1015.54401
target_VehDyn_Per1_LwE01_HwDeg_132.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.31999993
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-759.549988
target VehDyn Per1 RelHwPos HwDeg f32.value	-339.980011
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	175.570007
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0

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Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1015.54401	1015.54401	~
VehDyn_MinOffset_HwDeg_M_f32	-361.429993	-361.429993	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89454842	8.89454937 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	484033152	484033152	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	61.2399902	61.2400017 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.177 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.799988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.8000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000980000012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000980000012
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.599998
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	4.400001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
	0.000552000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.5
	10
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.76000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
	0.000980000012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
	1
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1232.77405
VehDyn_MinOffset_HwDeg_M_f32	-443.670013
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000493000029
VehDyn_SLPHwAuth_Uls_M_f32	0.0480000004
VehDyn SLPHwPos HwDeg M f32	185.830002
VehDyn_SrlHwAgVldTimer_mS_M_u32	1213316096
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	54.1199989
k_TraveIXCDeadband_Uls_f32	17.0200005
k_TravelXCHwAuthority_UIs_f32	0.227325007
	812314880
target_DtrmnElapsedTime_mS_u32_ElapsedTime	
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTi	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRadpS f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-369.149994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1009.97498
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.43000007
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1590.80005





Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	185.830002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-580.825073	-580.825012	✓
VehDyn_MinOffset_HwDeg_M_f32	-443.670013	-443.670013	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8919325	13.8919325 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1213316096	1213316096	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.178 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.400024
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.600006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000722000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987 0.000436000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1800001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000464000012
VehDyn_SLPHwAuth_Uls_M_f32	0.153999999
VehDyn_SLPHwPos_HwDeg_M_f32	370.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	306931584
k_HiSpdVDAuthority_UIs_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVIdTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	52.5400009
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	45.2799988
k_TravelXCHwAuthority_Uis_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	0.249375001 4243378688
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_	
target_Rte_Call_Ap_VehDyn_SystemTime_DtffillclapsedTime_III3_u32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_LiapsedTime_III3_U32_U32_U32_U32_U32_U32_U32_U32_U32_U3	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
toward Dis last As Mak Day Mak Day Day Tayang One IODE Michigan 600	L LVID D LT O IODE MIN MO
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -461.790009
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32





Name	Input Value		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.009995		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	385.579987		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	370.51001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.270004		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002	-1302.15002	✓
VehDyn_MinOffset_HwDeg_M_f32	-847.369995	-847.369995	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7896194	17.7896194 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	306931584	306931584	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	387.159973	387.160004 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.179 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	123.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.6500015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.580002
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.64999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000440000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
	0
VehDyn_AutoCntrllSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.20000025e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	1298.25
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046499999
VehDyn_SLPHwAuth_Uls_M_f32	0.163000003
VehDyn_SLPHwPos_HwDeg_M_f32	380.769989
VehDyn_SrlHwAgVldTimer_mS_M_u32	997399808
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_HwTqMgnThd_HwNm_f32	8.1000038
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVIdTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	10.0500002
k_TravelXCDeadband_Uls_f32	46.8499985
k_TravelXCHwAuthority_Uls_f32	0.25060001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime	
target_Rte_lnst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-469.51001





Name Care				
larget_NetDyn_Perf_Notor/color_MotorycleCRF_MrkngspS_R2.value 4.51999998 larget_VetDyn_Perf_RetHwPes_HwDeg_r52.value 1.100,73999 larget_VetDyn_Perf_SitHwAq,Mod_Crt_lgc.value 1.579,90002 larget_VetDyn_Perf_SitHwAq_Mod_Crt_lgc.value 380,769999 larget_VetDyn_Perf_SitHwAq_Hobg_g52.value 49000001 larget_VetDyn_Perf_Vethicdesped_Kpd_r52.value 0 larget_VetDyn_Perf_Vethicdesped_Kpd_r52.value 0 VetDyn_Allor_MisspArutoCntr_Cnt_M_lgc 1 1 1 4 VetDyn_Allor_MisspArutoCntr_Cnt_M_lgc 1 1 1 4 7 VetDyn_Allor_MisspArutoCntr_Cnt_M_lgc 1377,96002 318212733 338212733 2 4 VetDyn_Allor_CntrDesSpd_M_str_RetHwPostFiltSV_HwDeg_strSV_Uis_f32 -1377,90002 -1377,90002 ± 0.009 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 7 4 1 4 4 4 4 4 4 4 4 4 4	Name	Input Value		
target_VerDyn_Pert_MortovCREF_MrRadps_182 value	target_VehDyn_Per1_CwEOT_HwDeg_f32.value	937.578003		
Isinget_VehDyn_Pert_SrithwagNd_Cnt_Igo:value 1377.90002 1387.0002 1387	target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.51999998		
target_VehDyn_Pert_Srithwag-Mc_Drugor_value arget_VehDyn_Pert_Srithwag-Mc_Drugor_value arget_VehDyn_Pert_Srithwag_HwDeg_raz_value arget_VehDyn_Pert_VehicleSpeedValld_Ort_Igo-value arget_VehDyn_Pert_VehicleSpeedValld_Ort_Igo-value arget_VehDyn_Pert_VehicleSpeedValld_Ort_Igo-value arget_VehDyn_Pert_VehicleSpeedValld_Ort_Igo-value arget_VehDyn_Pert_VehicleSpeedValld_Ort_Igo-value arget_VehDyn_Auto-OrthoreSpd_Mc_Drugor_VehDyn_Au	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.73999		
target_VehDyn_Pert_Sirthwag_thwDeg_152_value	target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1377.90002		
target_VehDyn_Pert_TorqueCmdCRF_Mirthm_f3z_value larget_VehDyn_Pert_VehicleSpeed_Vehi_f3z_value 387.859985 Name	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Perf_VehicleSpeed_Kpt_32_value arget_VehDyn_Perf_VehicleSpeed_Kpt_32_value Actual Value Actual Value Expected Value Result VehDyn_AlouchtSpdAuloChrt_Cnt_M_lgc 1 1 1 1 1 1	target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	380.769989		
Sarget_VehDyn_Per1_VehicleSpeed_Kph_T32_value	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCnt_Cnt_M_Igo 1 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Timert_mS_u32 3174948758 31749448758 ✓ VehDyn_AutoCntrDetSpd_M_str.Timert_mS_u32 3382212733 3382212733 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterTenSpd.FiltSV_HvDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterTenSpd.Cnt.lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterTenSpd.Cnt.lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterTenSpd.Cnt.lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt.lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3382212733 3382212733 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
VehDyn_AllowHiSpAducCntr_Cnt_M_lge 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3382212733 382212733 VehDyn_AutoCntrDetSpd_M_str.RelI+wPosFittSV_HwDeg_str.SV_UIs_132 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelI+wPosFittSV_HwDeg_str.SV_UIs_132 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelI+wPosFittSV_HwDeg_str.SV_UIs_132 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Riller1Initialszed_Cnt_lge 1 1 VehDyn_AutoCntrDetSpd_M_str.Riller2Initialized_Cnt_lge 0 0 VehDyn_AutoCntrHispd_M_str.Riller2Initialized_Cnt_lge 0 0 VehDyn_AutoCntrHispd_M_str.Riller2Initialized_Cnt_lge 1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrHispd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_132 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrHispd_M_str.Riller1Enable_Cnt_lge 0 0 -1377.90002 ± 0.009 VehDyn_AutoCntrHispd_M_str.Riller1Enable_Cnt_lge 0 0 0 VehDyn_AutoCntrHispd_M_str.Filler2Initialized_Cnt_lge 1 1 VehDyn_Aut	target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.859985		
VehDyn_AutoCntrDetSpd_M_str. Timer1_mS_u32 3174948758 3174948758 VehDyn_AutoCntrDetSpd_M_str. Timer2_mS_u32 3382212733 3382212733 VehDyn_AutoCntrDetSpd_M_str. RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str. RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str. Fitter2Enable_Cnt.l_gc 1 1 VehDyn_AutoCntrDetSpd_M_str. Fitter2Enable_Cnt.l_gc 1 1 VehDyn_AutoCntrDetSpd_M_str. Fitter2Initialized_Cnt.l_gc 0 0 VehDyn_AutoCntrHiSpd_M_str. Timer1_mS_u32 3304439296 304439296 VehDyn_AutoCntrHiSpd_M_str. Timer1_mS_u32 3382212733 3382212733 VehDyn_AutoCntrHiSpd_M_str. RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.	Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3382212733 3382212733 3382212733 3382212733 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 1377.90002 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Entable_Cnt_Ugc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Ugc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Ugc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Ugc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Entable_Cnt_Ugc 0 1377.90002 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Entable_Cnt_Ugc 0 0 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Entable_Cnt_Ugc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Ugc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Ugc	VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt3SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc 0 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 0 0 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 0 0 0 ✓ VehDyn_AutoCntrLispd_M_str.Filter2Initialized_Cnt_Igc 1 1 1 1 1 1 YehDyn_AutoCntrLispd_M_str.Filter1Initialized_Cnt_Igc	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.RieHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterEnable_Cnt_lgc 1 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterEnable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterEntialitialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterEntialitialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.FilterEntialitialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Rell-WPosFiltSV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Rell-WPosFilt2SV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.FilterEnable_Cnt_lgc 0 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.FilterEnable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.FilterEnable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.FilterEnable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.FilterEnable_Cnt_lgc 1 1 1 ✓ VehD	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M str.Filter1Enable_Cnt.lgc 1 1 1 VehDyn_AutoCntrDetSpd_M str.Filter2Enable_Cnt.lgc 1 1 1 VehDyn_AutoCntrDetSpd_M str.Filter2Enable_Cnt.lgc 1 1 1 VehDyn_AutoCntrDetSpd_M str.Filter2Initialized_Cnt.lgc 0 0 0 VehDyn_AutoCntrDetSpd_M str.Filter2Initialized_Cnt.lgc 0 0 0 VehDyn_AutoCntrDetSpd_M str.Filter2Initialized_Cnt.lgc 0 0 0 VehDyn_AutoCntrDetSpd_M str.Filter2Enable_Cnt.lgc 3304439296 3304439296 3304439296 3204432233 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 33823212733 3382212733 3382212733 4<	VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str_Filter2Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str_Filter1Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str_Filter2Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str_Filter2_mS_u32 3304439296 3304439296 ✓ 30439296 ✓ VehDyn_AutoCntrHiSpd_M_str_Filter2_mS_u32 3382212733 3382212733 3322212733 ✓ 21377.90002 - 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str_FilterPilitalized_Cnt_lgc 0 0 0 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str_Filter2Initalized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str_Filter2Initalized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str_Filter2Initalized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str_Filter2Initalized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str_Filter2_ms_u32 3304439296 3304439296 3304439296 304439296 304439296 304439296 304439296 304439296 304439296 304439296 <td< td=""><td>VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32</td><td>-1377.90002</td><td>-1377.90002 ± 0.009</td><td>✓</td></td<>	VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrUetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 3304439296 VehDyn_AutoCntrHiSpd_M_str.RielhwPosFiltSV_HwDeg_str.SV_Uls_f32 1377.90002 -1377.90002 ±0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.RielhwPosFiltSV_HwDeg_str.SV_Uls_f32 1377.90002 -1377.90002 ±0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 ✓ V VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 3304439296 3304439296 304439296 304439296 304439296 304439296 304439296 304439296 304439296 304439296 304439296 304439296 304439296	VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lqc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3V_HwDeg_str.SV_Uls_f32 1387.90002 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3V_HwDeg_str.SV_Uls_f32 1377.90002 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1377.90002 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Ini		1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc 0 • VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 • VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 3382212733 3882212733 • VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002±0.009 • VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002±0.009 • VehDyn_AutoCntrHiSpd_M_str.RiletrEnable_Cnt_Igc 0 0 0 • VehDyn_AutoCntrHiSpd_M_str.RiletrEnable_Cnt_Igc 0 0 • • VehDyn_AutoCntrHiSpd_M_str.Riletr2Initialized_Cnt_Igc 1 1 • • VehDyn_AutoCntrLoSpd_M_str.Riletr2_mS_u32 3304439296 3304439296 304439296 • • VehDyn_AutoCntrLoSpd_M_str.Riletr2_mS_u32 3304439296 3304439296 • • • VehDyn_AutoCntrLoSpd_M_str.Riletr2_mS_u32 3382212733 3382212733 • • • • • • • • • • • • • <td></td> <td>1</td> <td>1</td> <td>✓</td>		1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 3382212733 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittISV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2_mbos_filtISV_HwDeg_str.SV_Uls_f32 1337.90002 1377.90002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 1 1 1 1 1 4 Y Y YehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 1		0	0	~
VehDyn_AutoCntrHiSpd_M_str.RilHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3304439296 30024029 40009029		3304439296	3304439296	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3304439296 3304439296 304439296 304439296 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 3382212733 3382212733 3382212733 3382212733 3382212733 3277.90002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ </td <td></td> <td>3382212733</td> <td>3382212733</td> <td>~</td>		3382212733	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_132 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_Igc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_Igc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_Igc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3304439296 3304439296 304439296 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 3382212733 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_Igc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_Igc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_Igc 1 1 1 ✓ VehDyn_Initialize_ont_Ont_M_gc 0 0 0 ✓ VehDyn_LoSpdLearnt_Cnt_M_Igc 1 1		-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCnttrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCnttrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCnttrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCnttrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCnttrLoSpd_M_str.Timer1_mS_u32 3304439296 3304439296 304439296 VehDyn_AutoCnttLoSpd_M_str.Timer2_mS_u32 3382212733 3382212733 3382212733 VehDyn_AutoCnttLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCnttLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCnttLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCnttLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCnttLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_LoSpd_Learnt_Cnt_M_lgc 0 0 0 ✓ VehDyn_LoSpd_Learnt_Cnt_M_lgc 0 0 0		-1377.90002	-1377.90002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 V VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 V VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3304439296 3304439296 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 3382212733 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 -1377.90002 -1377.90002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_LoSpd_Learnt_Cnt_M_lgc 0 0 0 ✓ VehDyn_LoSpd_Learnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_MinOffset_HwDeg_M_f32 2840 2840 ✓ <td></td> <td>0</td> <td>0</td> <td>✓</td>		0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3304439296 3304439296 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 3382212733 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 V VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 V VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 V VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 V VehDyn_MaxOffset_HwDeg_M_f32 2840 2840 2840 VehDyn_SrlHwAgVIdTimer_mS_M_u32 9		0	0	~
VehDyn_AutoCntrHiSpd_II_str.Filter2Initialized_Cnt_Igc 1 1 V VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3304439296 3304439296 V VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 3382212733 V VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 V VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 V VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 0 0 V VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 V VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 V VehDyn_HiSpdLearnt_Cnt_M_Igc 0 0 0 V VehDyn_Initialize_Cnt_M_Igc 0 0 V V VehDyn_MoOffset_HwDeg_M_f32 1298.25 1298.25 V VehDyn_MinOffset_HwDeg_M_f32 <		0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3304439296 3304439296 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 3382212733 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HispdLearnt_Cnt_M_lgc 0 0 VehDyn_HispdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_SrlHwAgVIdTimer_mS_M_u32 -6.99862003 -6.99862003 ± 0.000009 V VehDyn_SrlHwAgVIdTimer_mS_M_u32 997399808 997399808 V	, - ,	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3382212733 3382212733 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_SrlHwAgVIdTimer_mS_M_u32 -6.99862003 -6.99862003 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 997399808 997399808		3304439296	3304439296	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_SrlHwAgVIdTimer_mS_M_u32 -6.99862003 -6.99862003 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 997399808 997399808 VehDyn_Per1_Se		3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1377.90002 -1377.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -6.99862003 -6.99862003 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 997399808 997399808 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004		-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 46.99862003 46.99862003 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 997399808 997399808 VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 VehDyn_Per1_SensorlessAuthority_Uls_f32.value VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 VehDyn_Per1_SensorlessAuthority_Uls_f32.value		-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 ✓ VehDyn_MinOffset_HwDeg_M_f32 2840 2840 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -6.99862003 -6.99862003 ± 0.000009 ✓ VehDyn_SrlHwAgVIdTimer_mS_M_u32 997399808 997399808 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 ✓	VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -6.99862003 -6.99862003 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 997399808 997399808 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 V VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 V VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 V VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 V VehDyn_MinOffset_HwDeg_M_f32 2840 2840 V VehDyn_PinTrqSV_M_str.SV_UIs_f32 -6.99862003 -6.99862003 ± 0.000009 V VehDyn_SrlHwAgVldTimer_mS_M_u32 997399808 997399808 V target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 V		1	1	✓
VehDyn_Initialize_Cnt_M_lgc 1 1 4 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 • VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 • VehDyn_MinOffset_HwDeg_M_f32 2840 2840 • VehDyn_PinTrqSV_M_str.SV_Uls_f32 -6.99862003 -6.99862003 ± 0.000009 • VehDyn_SrlHwAgVldTimer_mS_M_u32 997399808 997399808 • target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 •		1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 ✓ VehDyn_MinOffset_HwDeg_M_f32 2840 2840 ✓ VehDyn_PinTrqSV_M_str.SV_Uls_f32 -6.99862003 -6.99862003 ± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 997399808 997399808 ✓ target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓	VehDyn HiSpdLearnt Cnt M Igc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32 1298.25 1298.25 ✓ VehDyn_MinOffset_HwDeg_M_f32 2840 2840 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -6.99862003 -6.99862003 ± 0.000009 ✓ VehDyn_SrlHwAgVIdTimer_mS_M_u32 997399808 997399808 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 ✓	VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_MinOffset_HwDeg_M_f32 2840 2840 ✓ VehDyn_PinTrqSV_M_str.SV_Uls_f32 -6.99862003 -6.99862003 ± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 997399808 997399808 ✓ target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓	VehDyn LoSpdLearnt Cnt M lgc	0	0	✓
VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -6.99862003 -6.99862003 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 997399808 997399808 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_MaxOffset_HwDeg_M_f32	1298.25	1298.25	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32 -6.99862003 -6.99862003 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 997399808 ●97399808 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004		2840	2840	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32 997399808 997399808 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004		-6.99862003	-6.99862003 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 1 ± 0.004		997399808	997399808	✓
		1	1 ± 0.004	~
		380.769989	380.769989 ± 0.1	✓

Test Step Call Trace	Test Step Call Trace			
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.180 (Repeat Count = 1)	variable in the second of
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29729
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	33804
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	662
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
	52.4000015
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00039999999
·	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	662.099976
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	176.139999
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.00000019e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	198.240005
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1277.70203
VehDyn_MinOffset_HwDeg_M_f32	-504.149994
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000455000001
VehDyn_SLPHwAuth_Uls_M_f32	0.0729999989
VehDyn_SLPHwPos_HwDeg_M_f32	278.170013
VehDyn_SrlHwAgVldTimer_mS_M_u32	195646592
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	41.8499985
k TravelXCDeadband Uls f32	31.1499996
k TravelXCHwAuthority Uls f32	0.238350004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	1736795392
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
	,





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmo	dCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpe	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpe	ed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1415.25		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.42000008		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.099976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	278.170013		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.050003		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216	219286216	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	1277.70203	1277.70203	•
VehDyn_MinOffset_HwDeg_M_f32	-438.630005	-438.630005	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9921236	13.9921236 ± 0.00009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	195646592	195646592	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	•
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-198.240005	-198.240005 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.181 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.599998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000706000021
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0:
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.02000034e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Iqc	1
7 =	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	1282.69397
VehDyn MinOffset HwDeg M f32	-510.869995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456000009
VehDyn_SLPHwAuth_Uls_M_f32	0.0820000023
VehDyn_SLPHwPos_HwDeg_M_f32	288.429993
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_UIs_f32	0
k SrlHwAgVldTiThd mS u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	63.0139999
k_TravelXCDeadband_Uls_f32	32.7200012
k_TravelXCHwAuthority_Uls_f32	0.239574999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
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Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgV	/ld_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCn	ndCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSp	eed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	987.698975		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.52999997		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-275.019989		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	288.429993		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4290967295	4290967295	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4290967295	4290967295	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-275.019989	-275.019989 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	~
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0	0	~
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn HiSpdLearnt Cnt M Igc	0	0	~
VehDyn Initialize Cnt M Igc	1	1	~
VehDyn LoSpdLearnt Cnt M Igc	0	0	•
VehDyn MaxOffset HwDeg M f32	987.698975	987.698975	
VehDyn MinOffset HwDeg M f32	-1440.10999	-1440.10999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79478073	7.79478073 ± 0.000009	_
VehDyn_SrlHwAgVIdTimer_mS_M_u32	3437401088	3437401088	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	_
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-573.169983	-573.169983 ± 0.1	_

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	✓

Test Stan 2 402 (Depost Count = 4)		-0
Test Step 2.182 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
$Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)$	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.39999962	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.3999996
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	255468
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1307.94995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
·	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrIDetSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.0699969
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000742000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000475999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.099998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.38000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000942000013
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
VehDyn_AutoCotrl_oSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1127.94202
VehDyn_MinOffset_HwDeg_M_f32	-423.186005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000474
VehDyn_SLPHwAuth_Uls_M_f32	0.446999997
VehDyn_SLPHwPos_HwDeg_M_f32	-29.6299992
VehDyn_SrlHwAgVldTimer_mS_M_u32	1036175744
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	96.099985
k TravelXCDeadband Uls f32	12.6499996
k TravelXCHwAuthority Uls f32	0.2016
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Getsystemmine_ms_usz_currentmine target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS us2 ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRI	_MtrRadpS_f32	
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos H		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target VehDyn Per1 SensorlessH		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target_VehDyn_Per1_SrlHwAg_Hw		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpee		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpee		
target VehDyn Per1 CcwEOT HwDeg f32.value	-486.630005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1126.92395		
target VehDyn Per1 HwTorgue HwNm f32.value	5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1307.94995		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-29.6299992		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.73999		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468	255468	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn Initialize Cnt M Igc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn MaxOffset HwDeg M f32	1126.92395	1126.92395	▼
VehDyn_MinOffset_HwDeg_M_f32	-486.630005	-486.630005	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7906246	-14.7906246 ± 0.00009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	1036175744	1036175744	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Pto Call VohDyn Port CP1 ChackpointPeached	1	Pto Call VehDyn Part CB1 CheckpointPeached	1	

909.889954

1 ± 0.004

909.890015 ± 0.1

Test Step 2.183 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.4000015
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.47000003
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532 36612
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	0
/ehDyn_AutoOntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000944000029
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.199997 16.200008
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4000032e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	1132.93396
/ehDyn_MinOffset_HwDeg_M_f32	-416.502014
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475000008
/ehDyn_SLPHwAuth_Uls_M_f32	0.428000003
/ehDyn_SLPHwPos_HwDeg_M_f32	-19.3700008
/ehDyn_SrlHwAgVldTimer_mS_M_u32	1029379840
X_HiSpdVDAuthority_UIs_f32	0
C_HwTqMgnThd_HwNm_f32	6.32000017
x_LoSpdVDAuthority_UIs_f32	1
C_SrlHwAgVldTiThd_mS_u32	1000
x_SysKinRatio_MtrDegpHwDeg_f32	32.099985
c_TravelXCDeadband_Uls_f32	11.6199999
x_TraveIXCHwAuthority_UIs_f32	0.202824995
<pre>larget_DtrmnElapsedTime_mS_u32_ElapsedTime larget_GetSystemTime_mS_u32_CurrentTime</pre>	1316564736 3039943680



Name	Input Value		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTime$	me 463842816		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwD	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hw	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hw	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuti		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwD		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCR		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedV		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-480.369995		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1121.35498		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.55999994		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-893.640015		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-19.3700008		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
			_
VehDyn_MaxOffset_HwDeg_M_f32	1132.93396	1132.93396	
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1132.93396 413.27002	413.269989	•
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	1132.93396 413.27002 17.7943058	413.269989 17.7943077 ± 0.00009	~
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	1132.93396 413.27002 17.7943058 1029379840	413.269989 17.7943077 ± 0.00009 1029379840	· ·
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	1132.93396 413.27002 17.7943058	413.269989 17.7943077 ± 0.00009	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.184 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

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Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000867999974
	-1454.77002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.1999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000668000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000327999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.400015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32	10.3999996
· - · - ·	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.64000036e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	943.237976
VehDyn MinOffset HwDeg M f32	-670.494019
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00043700001
VenDyn_PirtrigSv_M_sir.k_ois_i32 VehDyn_SLPHwAuth_Uls_M_f32	0.86199989
,	
VehDyn_SLPHwPos_HwDeg_M_f32	-409.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0.40000006
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
<_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TraveIXCDeadband_Uls_f32	50.7599983
k_TravelXCHwAuthority_Uls_f32	0.156275004





Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	1316564736		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-718.25		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1332.97705		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1454.77002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-409.25		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.850006		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	*
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	Ž
VehDyn_AutoCatrl oSpd_M_str.Timer2_mS_u32	255468 -1454.77002	255468 -1454.77002 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1454.77002	-1454.77002 ± 0.009	J
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	1	1	~
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt.lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	· ·
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0	0	J
VehDyn HiSpdLearnt Cnt M Igc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	· ·
VehDyn_MaxOffset_HwDeg_M_f32	1332.97705	1332.97705	-
VehDyn_MinOffset_HwDeg_M_f32	-718.25	-718.25	~
VehDyn PinTrqSV M str.SV Uls f32	7.80058718	7.80058718 ± 0.000009	-
VehDyn SrlHwAgVldTimer mS M u32	824746752	824746752	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	-
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~
J		= •	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_



Name	Test Step 2.185 (Repeat Count = 1)	
DimmeRopartTries_mS_1,002EpapertTries DimmeRopartTries_mS_1,002EpapertTries Discussion DimmeRopartTries_mS_1,002EpapertTries Discussion		Input Value
Carbystentime_ms_0.232Coursettime Risc_Call_Ag_Valshy_Systentime_ms_0.232Coursettime Risc_Call_Ag_Valshy_Systentime_cellsystentime_ms_0.232Coursettime Risc_Call_Ag_Valshy_Systentime_cellsystentime_ms_0.232Coursettime Risc_Call_Ag_Valshy_Systentime_cellsystentime_ms_0.232Coursettime Risc_Call_Ag_Valshy_Systentime_cellsystentime_ms_0.232Coursettime Risc_Call_Ag_Valshy_ms_0.232Coursettime Ris		·
Reg. Call Ag. Verloty, System* [reg. System* [reg. 5] (20) (20) (20) (20) (20) (20) (20) (20)		
Risport No Verbin SystemTrine CellsystemTrine ms L03CurrentTrive ms Los Lo		
Rispert May Verlight Repet R		
Veolity Public Septiment		
Verloy, Audiconfested, M. art Weldy Microscope, 12		
VenDurp AutoCompRessor M. str Park Private Park Private 12 0.0099999	, - ,	
Verbilly Author/Chief Del M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Author/Chief D. M. at Friend Princip Andrew, D.2 Verbilly Auth	,	
VenDryn_AuscontineSepi_M_stromer/times_m_str_sil_6		
Verbin, AutoConfedeged, M. affirmetTreet, m. g. u16 Verbin, AutoConfedeged, M. affirmetTreet, m. g. u16 Verbin, AutoConfedeged, M. affirmet, m. g. u2 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, art SV, Us, 12 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, art SV, Us, 12 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, art SV, Us, 12 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, art SV, Us, 12 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, art SV, Us, 12 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, art SV, Us, 12 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, art SV, Us, 12 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, art SV, Us, 12 Verbin, AutoConfedeged, M. affirmethTest y-Nabog, 12 Verbin, AutoConfede		86.099985
VenDipsy AutoContest Spee M. at Timer 1 mg .02		
VerDom Autocombission M, set Timer T, MS 122 VerDom Autocombission		
Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att SV, Uti, 132 Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att SV, Uti, 132 Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att K, Uti, 132 Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att K, Uti, 132 Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att K, Utill, 132 Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att K, Utill, 132 Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att K, Utill, 132 Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att K, Utill, 132 Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, att M. Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, Audiconfession, M. s. Reinherberstitt, V. Morteg, Audiconfession, M. s. Reinherberstitt, V. Morteg, S. Verbilly, Audiconfession, M. s. Reinherberstitt, V. Morteg, S. Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, S. V. Utill, S. Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, S. V. Utill, S. Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, S. V. Utill, S. Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, S. V. Utill, S. Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, S. V. Utill, S. Verbilly, Audiconfession, M. s. Reinherberstitts, V. Morteg, S. V. Utill, S	· - · ·	274107514
Verbin, Auscontinesso, M., sinchehmore in 19. Monte, and V. Lis. 12. Verbin, Auscontinesso, M. sinchehmore in 19. Monte, and V. Lis. 12. Verbin, Auscontinesso, M. sinchehmore in 19. Monte, and V. Lis. 12. Verbin, Auscontinesso, M. sinchehmore in 19. Monte, and V. Lis. 12. Verbin, Auscontinesso, M. sinchehmore in 19. Monte, and V. Lis. 19. Verbin, Auscontinesso, M. sinchehmore in 19. Monte, and V. Lis. 19. Verbin, Auscontinesso, M. sinchehmore in 19. Monte, and M. Verbin, Auscontinesso, M. Sinchehmore in 19. Monte, and M. Monte, and		255468
VerDiny AudoChristofed M. & Rehinfore IRISSY Horbeg at X. U. Is 32 VerDiny AudoChristofed M. & Rehinfore IRISSY Horbeg at X. U. Is 32 VerDiny AudoChristofed M. & Rehinfore IRISSY Horbeg at X. U. Is 32 VerDiny AudoChristofed M. & Rehinfore IRISSY Horbeg at X. U. Is 32 VerDiny AudoChristofed M. & Rehinfore IRISSY Horbeg at X. U. Is 32 VerDiny AudoChristofed M. & Rehinfore IRISSY Horbeg at X. U. Is 32 VerDiny AudoChristofed M. & Rehinfore IRISSY Horbeg at X. U. Is 32 VerDiny AudoChristofed M. & Rehinfore IRISSY M. VerDiny AudoChristofed M. & Rehinfore IRISSY M. VerDiny AudoChristofed M. & Rehinfore IRISSY M. VerDiny AudoChristofed M. & VerDiny M. & VerDiny M. & VerDiny AudoChristofed M. & VerDiny	VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-833.309998
VerDipy, AusCortChesSed, M. SE Fleet Franke, Cru Ligs VerDipy, AusCortChesSed, M. Se Fleet Franke, VerDipy, Se VerDipy, AusCortChesSed, M. Se Fleet Franke, VerDipy, Se VerDipy, AusCortChesSed, M. Se Fleet Franke, VerDipy, Se VerDipy, AusCortChesSed, M. Se Fleet Franke, M. Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChesSed, M. Se Fleet Franke, Cru Lig Se VerDipy, AusCortChes	VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000948000001
VerDiyn, AutoCorticRoof, M. str. FilterEnable, Cni. Igo VerDiyn, AutoCorticRoof, M. str. VerBod, Igh. 122 VerDiyn, AutoCorticRoof, M. str. TimerTiresh, m. 9, u16 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. SV. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. SV. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. SV. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. K. Uis, 122 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. Vius, 123 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. Vius, 123 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. Vius, 123 VerDiyn, AutoCorticRoof, M. str. ReinerPortIritSV Hubog, str. Vius, 123 VerDiyn, AutoCorticRoof, M. str.	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VerDirp, AubCorthelSod, M. Str. FilmsChable, Cnt. Igo VerDirp, AubCorthelSod, M. Str. FilmsChable, Str. Igo VerDirp, AubCorthelSod, M. Str. FilmsChap, Units Str. Igo VerDirp, AubCorthelSod, M. Str. FilmsChap, Units Str. Igo VerDirp, AubCorthelSod, M. Str. FilmsChap, Units Str. Igo VerDirp, AubCorthelSod, M. Str. Igo VerDirp, Note CorthelSod, M. Str. Igo VerDirp, Note Co	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
Verbiny, Aubschribssof, M. st. Filler/Entallec Ont. [ig. 1 Verbiny, Aubschribssof, M. st. Filler/Entallec Ont. [ig. 1 Verbiny, Aubschribssof, M. st. Verbing described in the Verbing Aubschribssof, M. st. Verbing Aubschribssof, M. st. Verbing Aubschribssof, M. st. Verbing Aubschribssof, M. st. Verbing, Verbing, Aubschribssof, M. st. Verbing, Verbing, M. st. Verbing, Verbing, M. st. Verbing, M. st		0
Verbiy, Audochribespid M. str. Filler Initialized, Cnt. Igo 1 Verbiy, Audochribspid M. str. Filler Initialized, Cnt. Igo 1 Verbiy, Audochribspid M. str. Verbispid kyh. 152 Verbiy, Audochribspid M. str. Verbispid kyh. 152 Verbiy, Audochribspid M. str. Verbispid kyh. 152 Verbiy, Audochribspid M. str. Filler Threat, ms. 101 38908 Verbiy, Audochribspid M. str. Filler Threat, ms. 101 38908 Verbiy, Audochribspid M. str. Filler Threat, ms. 101 38908 Verbiy, Audochribspid M. str. Filler Threat, ms. 101 38908 Verbiy, Audochribspid M. str. Filler Threat, ms. 101 24468028 Verbiy, Audochribspid M. str. Filler Threat, ms. 102 2446802800 Verbiy, Audochribspid M. str. Filler Threat, ms. 102 Verbiy, Audochribspid M. str. Filler Threat, ms. 103 Verbiy, Audochribspid M. str. Filler Threat, ms. 103 Verbiy, Audochribspid M. str. Filler Threat, ms. 103 Verbiy, Audochribspid M. str. Filler Threat Ends 104 Verbiy, Audochribspid M. str. Filler		0
Verblyn_AusContrilSpd_M_str_Refunder_Spd_Spd_Spd_Spd_Spd_Spd_Spd_Spd_Spd_Spd		1
VehDyn, AusContrilsQud, Mr. VehSpot, Inc. 12 VehDyn, AusContrilsQud, Mr. Friehring, Hwinn, 122 VehDyn, AusContrilsQud, Mr. Friehring, Hwinn, 122 VehDyn, AusContrilsQud, Mr. Friehring, Hwinn, 123 VehDyn, AusContrilsQud, Mr. Friehring, Hwinn, 123 VehDyn, AusContrilsQud, Mr. Britmer Threeth, ms. U16 S8808 VehDyn, AusContrilsQud, Mr. Britmer Threeth, ms. U16 VehDyn, AusContrilsQud, Mr. Britmer Zms. U19 VehDyn, AusContrilsQud, Mr. Britmer Zms. U19 VehDyn, AusContrilsQud, Mr. BreithroserititSV, HwDeg, str. K. U18, 122 VehDyn, AusContrilsQud, Mr. BreithroserititSV, HwDeg, str. K. U18, 122 VehDyn, AusContrilsQud, Mr. BreithroserititSV, HwDeg, str. K. U18, 122 VehDyn, AusContrilsQud, Mr. BreithroserititSV, HwDeg, str. K. U18, 122 VehDyn, AusContrilsQud, Mr. BreithroserititSV, HwDeg, str. K. U18, 122 VehDyn, AusContrilsQud, Mr. BreithroserititSV, HwDeg, str. K. U18, 122 VehDyn, AusContrilsQud, Mr. BritericTenalle, Cnl. U19 VehDyn, AusContrilsQud, Mr. BritericTenalle, U19 VehDyn, Mr. AusContrilsQud, Mr. BritericTenalle, U19 VehDyn, Mr. AusContrilsQud, Mr. Briteri	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn, AutoCnitHiSpd, M. sir Kilmin Tite, HuMh, 132 96,000015 VehDyn, AutoCnitHiSpd, M. sir TimerThresh, mS, u16 38888 VehDyn, AutoCnitHiSpd, M. sir TimerThresh, mS, u16 38888 VehDyn, AutoCnitHiSpd, M. sir TimerThresh, mS, u16 274/07514 VehDyn, AutoCnitHiSpd, M. sir TimerT, mS, u32 274/07514 VehDyn, AutoCnitHiSpd, M. sir RelHwPosiHISSY HwDeg, str. VUIs, 132 433,309098 VehDyn, AutoCnitHiSpd, M. sir RelHwPosiHISSY HwDeg, str. VUIs, 132 0000747999991 VehDyn, AutoCnitHiSpd, M. sir RelHwPosiHISSY HwDeg, str. VUIs, 132 0000747999991 VehDyn, AutoCnitHiSpd, M. sir RelHwPosiHISSY HwDeg, str. VUIS, 132 000047999991 VehDyn, AutoCnitHiSpd, M. sir FillerInitablec, Ont. Igo 1 VehDyn, AutoCnitHiSpd, M. sir FillerInitablec, Ont. Igo 1 VehDyn, AutoCnitHiSpd, M. sir FillerInitablec, Ont. Igo 0 VehDyn, AutoCnitLiSpd, M. sir FillerInitablec, Ont. Igo 0 VehDyn, AutoCnitLiSpd, M. sir FillerInitablec, Ont. Igo 1 VehDyn, AutoCnitLiSpd, M. sir FillerInitable		98.8000031
VerbDyn_AutCorthHSpd_M_str.TumerTimesh_mS_u16	VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
VeRDyn_AutoCntHiSpd_M_str.Timer1Trest_mS_U16 58888 VeRDyn_AutoCntHiSpd_M_str.Timer2Trest_mS_U22 274107514 VeRDyn_AutoCntHiSpd_M_str.Timer2_mS_u32 274107514 VeRDyn_AutoCntHiSpd_M_str.Timer2_mS_u32 433309988 VeRDyn_AutoCntHiSpd_M_str.Timer2_mS_u32 433309988 VeRDyn_AutoCntHiSpd_M_str.RetHxPosFittSV_HxVeg_str.V_UIs_f32 433309988 VeRDyn_AutoCntHiSpd_M_str.RetHxPosFittSV_HxVeg_str.V_UIs_f32 0000747999991 VeRDyn_AutoCntHiSpd_M_str.RetHxPosFittSV_HxVeg_str.V_UIs_f32 000074799991 VeRDyn_AutoCntHiSpd_M_str.RetHxPosFittSV_HxVeg_str.V_UIs_f32 00004799991 VeRDyn_AutoCntHiSpd_M_str.RetHxPosFittSV_HxVeg_str.V_UIs_f32 1 VeRDyn_AutoCntHiSpd_M_str.RetHxPosFittSV_HxVeg_str.V_UIs_f32 1 VeRDyn_AutoCntHxSpd_M_str.RetHxPosFittSV_HxVeg_str.Xeg_str. 155.5 VeRDyn_AutoCntHxSpd_M_str.RetHxPosFittSV_HxVeg_str.Xeg	VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.04
VerbDyn, AutoChtt-HiSpd, M, str. Timer L, mS, u32	VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VerbDyn_AutoChtHisbod M_str.Timert_mS_u32 274107514 VerbDyn_AutoChtHisbod M_str.Timer2_mS_u32 2345892860 VerbDyn_AutoChtHisbod M_str.ReiNerPositifist V_HWDeg_str.SV_Uis_132 433.309988 VerbDyn_AutoChtHisbod M_str.ReiNerPositifist V_HWDeg_str.SV_Uis_132 433.309989 VerbDyn_AutoChtHisbod M_str.ReiNerPositifist V_HWDeg_str.SV_Uis_132 400.00477999991 VerbDyn_AutoChtHisbod M_str.ReiNerPositifist V_HWDeg_str.SV_Uis_132 0.000487999991 VerbDyn_AutoChtHisbod M_str.ReiNerDositifist V_HWDeg_str.SV_Uis_132 0.000487999991 VerbDyn_AutoChtHisbod M_str.ReiNerDositifist V_HWDeg_str.SV_Uis_132 1 VerbDyn_AutoChtHisbod M_str.ReiNerDositifist V_HWDeg_str.SV_Uis_132 1 VerbDyn_AutoChtLoSpd M_str.ReiNerDositifist V_HWDeg_str.SV_Uis_132 186.5 VerbDyn_AutoChtLoSpd M_str.TimerTynest_mS_uis 3.5 VerbDyn_AutoChtLoSpd M_str.TimerTynest_mS_uis 34738 VerbDyn_AutoChtLoSpd M_str.TimerZ_mS_uis 274107514 VerbDyn_AutoChtLoSpd M_str.TimerZ_mS_uis 274107514 VerbDyn_AutoChtLoSpd M_str.TimerZ_mS_uis 274107514 VerbDyn_AutoChtLoSpd M_str.TimerZ_mS_uis 274107514 VerbDyn_AutoChtLoSpd M_str.TimerLyn_Suis 27439999990000 VerbDyn_AutoChtLoSpd M_str.TimerLy	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VerbDyn, AutoChtHiSpot, M. str. Timer2, mS, u32 23458922800 VerbDyn, AutoChtHiSpot, M. str. ReithwPosititSV_HwDeg_str. K. Uis_f32 0.000747999991 VerbDyn, AutoChtHiSpot, M. str. ReithwPosititSV_HwDeg_str. K. Uis_f32 4933.309998 VerbDyn, AutoChtHiSpot, M. str. ReithwPosititSV_HwDeg_str. K. Uis_f32 0.000487999991 VerbDyn, AutoChtHiSpot, M. str. Filter Enable, Cht. Ige 1 VerbDyn, AutoChtHiSpot, M. str. Filter Enable, Cht. Ige 1 VerbDyn, AutoChtHiSpot, M. str. Filter Enable, Cht. Ige 0 VerbDyn, AutoChtHiSpot, M. str. Filter Enable, Cht. Ige 0 VerbDyn, AutoChtHiSpot, M. str. Filter Enable, Cht. Ige 0 VerbDyn, AutoChtLoSpot, M. str. VerbSpd_kspt, fr32 156.5 VerbDyn, AutoChtLoSpot, M. str. VerbSpd_kspt, fr32 156.5 VerbDyn, AutoChtLoSpot, M. str. Timer Threat, mS, u16 34738 VerbDyn, AutoChtLoSpot, M. str. Timer Threat, mS, u16 34738 VerbDyn, AutoChtLoSpot, M. str. Timer Threat, mS, u16 34738 VerbDyn, AutoChtLoSpot, M. str. Timer Threat, mS, u16 34738 VerbDyn, AutoChtLoSpot, M. str. ReithwPosititSV, HwDeg, str. X. Uis_f32 2458922860 VerbDyn, AutoChtLoSpot, M. str. ReithwPosititSV, HwDeg, str. X. Uis_f32 333.09998 V	VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntriHSpd_M_str.ReiH+VPosFittSV_HWDeg_str.K_Uls_f32	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000747999991 VehDyn_AutoCntrHSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 -833.39998 VehDyn_AutoCntrHSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrHSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrLSpd_M_str.Wel_MtrRadsp_f32 98.5 VehDyn_AutoCntrLSpd_M_str.VeltSpd_kpd_f32 156.5 VehDyn_AutoCntrLSpd_M_str.VeltSpd_kpd_f32 156.5 VehDyn_AutoCntrLSpd_M_str.FiltPriTrq_HwNr_f32 3.5 VehDyn_AutoCntrLSpd_M_str.FiltPriTrq_HwNr_f32 34738 VehDyn_AutoCntrLSpd_M_str.Timer1Tresh_ms_u16 34738 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_ms_u16 34738 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_ms_u16 36812 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_ms_u16 36812 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_ms_u16 37399998 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_ms_u16 37499996 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_ms_u2 27407514 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_ms_u2 27407514	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiti2SV_HwDeg_str.X_Uis_r32 4833.309998 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiti2SV_HwDeg_str.X_Uis_r32 0.000487999991 VehDyn_AutoCntrHiSpd_M_str.Fiter1Enable_Cnt_Ugc 1 VehDyn_AutoCntrHiSpd_M_str.Fiter2Enable_Cnt_Ugc 1 VehDyn_AutoCntrHiSpd_M_str.Fiter2Initialized_Cnt_Ugc 0 VehDyn_AutoCntrLiSpd_M_str.Fiter2Initialized_Cnt_Ugc 0 VehDyn_AutoCntrLiSpd_M_str.Fiter2Initialized_Cnt_Ugc 0 VehDyn_AutoCntrLiSpd_M_str.Fiter2Initialized_Cnt_Ugc 156.5 VehDyn_AutoCntrLiSpd_M_str.Fiter2Initialized_Cnt_Ugc 3.5 VehDyn_AutoCntrLiSpd_M_str.Timer1Threst_m_su_12 3.5 VehDyn_AutoCntrLiSpd_M_str.Timer1Threst_m_su_16 34738 VehDyn_AutoCntrLiSpd_M_str.Timer1_ms_u32 274107514 VehDyn_AutoCntrLiSpd_M_str.Timer2_m_su_32 2245892860 VehDyn_AutoCntrLiSpd_M_str.ReiHwPosFilitSV_HwDeg_str.SV_Uis_732 4833.309998 VehDyn_AutoCntrLiSpd_M_str.ReiHwPosFilitSV_HwDeg_str.SV_Uis_732 4833.309998 VehDyn_AutoCntrLiSpd_M_str.ReiHwPosFilitSV_HwDeg_str.SV_Uis_732 4833.309998 VehDyn_AutoCntrLiSpd_M_str.Reit=Finable_Cn_Uigc 0 VehDyn_AutoCntrLiSpd_M_str.Reit=Finable_Cn_Uigc 0 <	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
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March Marc	Name	Input Value		
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larget, Rib. Inst. Ap., Verbin/Weithyn, Pert I, SintsvingVeithyn, Dert J,				
target_Nell_nat_AVehDyn_Pert_StrikMa_Vid_Cnt_lgo				
larget_Rite_Inst_AD_VehDyn_VehDyn_Per1_CorpitorCoRFE_Mrhm_f32 target_VehDyn_Per1_TorquecmGCRF_Mrhm_f32 target_VehDyn_Per1_TorquecmGCRF_Mrhm_f32 target_VehDyn_Per1_VehicleSpeedVaild_Cmt_igo target_Rite_Inst_AD_VehDyn_VehDyn_Per1_VehicleSpeedVaild_Cmt_igo target_VehDyn_Per1_CowECT_Mrbdeg_f32 value 467860006 target_VehDyn_Per1_SehMrbdeg_f32 value 467860006 target_VehDyn_Per1_SehMrbdeg_f32 value 467860006 target_VehDyn_Per1_SehMrbdeg_f32 value 4754400024 target_VehDyn_Per1_SehMrbdeg_f32 value 49000001 target_VehDyn_Per1_VehicleSpeed_Veh_f32 value 500 target_VehDyn_AlorentDespd_Mrbdeg_f32 value 500 target_VehDyn_AlorentDesp			vDeg_f32	
larget_Rie_Inst_AD_VehDyn_VehDyn_Per1_TorqueCmdGRF_Mirkm_f32 larget_Rie_Inst_AD_VehDyn_VehDyn_Per1_VehicleSpeedValld_Cmt_lgc larget_Rie_Inst_AD_VehDyn_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_VehicleSpeed_Riph_f32 larget_VehDyn_Per1_NotorVeGRF_MirkRadgs_f32_value .75.4400024 larget_VehDyn_Per1_Rehlwrbe_HwDeg_f32_value .75.4400024 larget_VehDyn_Per1_Sirklwa_MirkRadgs_f32_value .75.4400024 larget_VehDyn_Per1_Sirklwa_MirkDeg_f32_value .75.4400024 larget_VehDyn_Per1_Sirklwa_MirkDeg_f32_value .75.4400024 larget_VehDyn_Per1_Sirklwa_MirkDeg_f32_value .75.4400024 larget_VehDyn_Per1_Sirklwa_MirkDeg_f32_value .75.4400024 larget_VehDyn_Per1_Sirklwa_MirkDeg_f32_value .75.4400004 larget_VehDyn_Per1_VehicleSpeed_Riph_f32_value .75.4400004 larget_VehDyn_Per1_VehicleSpeed_Riph_f32_value .75.4400004 larget_VehDyn_AntoCntDesp_M_str.Timer1_mS_u32 .76.45000001 larget_VehDyn_AntoCntDesp_M_str.Timer1_mS_u32 .76.45000000 .76.45000000000000000000000000000000000000				
target_VehDyn_Per1_CovEOT_HWDeg_132_value				
Harget VehDyn Pert CweEOT_HwDeg, 132 value 467,850006 1110,21704 1110,217				
target_VehDyn_Pert_LevEo_REO_T_HwDeg_REQ_value			72	
starget_VehDyn_Pert_MotrovelCRF_MitrRadpS_rg2_value				
target_VehDyn_Per1_ReliwPoe_IwDeg_182_value				
Barget_VehDyn_PerI_SirliwAgVId_Cnt_Ig.value				
target_VehDyn_Pert_SrithwAgVid_Cnt_lgc.value				
Larget_VehDyn_Per1_SritHwAg_HwDeg_T32.value 1.14999998 Larget_VehDyn_Per1_TorqueCmdCRF_Minthm_132.value 4.9000001 Larget_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Dig_value 1 Larget_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Dig_value 500 Name				
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_r32.value 4,9000001 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 500 Name Actual Value Expected Value R VehDyn_AulochtrDetSpd_Mstr.Timer1_mS_u32 274107514 274107514 P VehDyn_AuloCntrDetSpd_M_str.Timer1_mS_u32 274107514 274107514 274107514 P				
target_VehDyn_Perl_VehicleSpeed_Kph_f32.value				
Name				
Name				
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 255488 255488 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 274107514 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initalized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 255468 255468 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHispd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_cnt_lgc 2345892860 234589	VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 274107514 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 2345892860 2345892860 <td>VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32</td> <td>274107514</td> <td>274107514</td> <td>~</td>	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 <td< td=""><td>VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32</td><td>255468</td><td>255468</td><td>~</td></td<>	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468	255468	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 274107514 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit15V_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit15V_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.Filter1PmSFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.F	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2075080192 2075080192 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitl2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 <	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 <t< td=""><td>VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32</td><td>2075080192</td><td>2075080192</td><td>~</td></t<>	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Ini	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_BlSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	, _ ,	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 274107514 274107514 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892860 2345892860 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrLoSpd_M_str.Rell+wPosFilt2SV_HwDeg_str.SV_UIs_f32 -833.309998 -833.309998 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
7 - 1 - 2 - 2 - 2		0	0	~
Volt Dun Initialine Out M Inc	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc 1			4	~
VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1		1	1	
VehDyn_MaxOffset_HwDeg_M_f32	VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1		-
VehDyn_MinOffset_HwDeg_M_f32 -467.850006 -467.850006	VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32 6.30041265 6.30041265 6.30041265 ± 0.000009	VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1 1110.21704	1 1110.21704	~
VehDyn_SrlHwAgVldTimer_mS_M_u32 1662097408 1662097408	VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 1 1110.21704 -467.850006	1 1110.21704 -467.850006	
target VehDyn Per1 SensorlessAuthority Uls f32.value 1 1 1±0.004	VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	1 1 1110.21704 -467.850006 6.30041265	1 1110.21704 -467.850006 6.30041265 ± 0.000009	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value -1531.09998 -1531.09998 -1531.09998 +0.1	VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	1 1 1110.21704 -467.850006 6.30041265 1662097408	1 1110.21704 -467.850006 6.30041265 ± 0.00009 1662097408	~



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime) GetSystemTime mS u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2999992
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.3000031
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.2999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000950000016
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5999985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.0500002
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.5999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000492000021
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.5999985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.599999
/ehDyn_AutoCntrLoSpd_M_str.FittPinTrd_rwNin_i32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
/enDyn_AutoCntrLoSpd_M_str.Timer1Tnresn_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
/enDyn_AutoCntrLoSpd_M_str.Timer2Tnresn_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-1124.05005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.46000005e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_Igc	0

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1147.91003		
VehDyn_MinOffset_HwDeg_M_f32	-396.450012		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000478000002		
VehDyn_SLPHwAuth_Uls_M_f32	0.370999992		
VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	11.4099998 1186941824		
k HiSpdVDAuthority Uls f32	0		
k HwTgMgnThd HwNm f32	9.19999981		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	4856		
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992		
k_TravelXCDeadband_Uls_f32	8.52999973		
k_TravelXCHwAuthority_Uls_f32	0.206499994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080		
target_GetSystemTime_mS_u32_CurrentTime	954802432		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_CatSystemTime_mS_u32_CurrentTime			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	e 4243378688 target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_i32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-461.589996 1104.64795		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.23999977		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1124.05005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	11.4099998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2553156835 -1124.05005	2553156835 -1124.05005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc		328928812	
VehDyn AutoCatrl oSad M etr Timer1 mS u32			_
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrl_oSpd_M_str.Timer2_mS_u32	328928812 2553156835		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2553156835 -1124.05005	2553156835 -1124.05005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	_
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	2553156835 -1124.05005	2553156835 -1124.05005 ± 0.009	*
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2553156835 -1124.05005 -1124.05005	2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009	*
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	2553156835 -1124.05005 -1124.05005 0 1	2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	2553156835 -1124.05005 -1124.05005 0 1 1	2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 1	, , , , , , , , , , , , , , , , , , ,
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc	2553156835 -1124.05005 -1124.05005 0 1 1 1	2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 1 1	\rightarrow \frac{1}{2}
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	2553156835 -1124.05005 -1124.05005 0 1 1 1 1	2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 1 1 1	\rightarrow \frac{1}{2}
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	2553156835 -1124.05005 -1124.05005 0 1 1 1 1 1	2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 1 1 1 1 1	\rightarrow \frac{1}{2}
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	2553156835 -1124.05005 -1124.05005 0 1 1 1 1	2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 1 1 1	\rightarrow \frac{1}{2}





Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	1186941824	1186941824	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

lame	Input Value
htmnElapsedTime_mS_u32(ElapsedTime)	
etSystemTime mS u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime
, ,	
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000951999973
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0500002
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ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.5 20423
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	1.10000002
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.099985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	22037
ehDyn_AutoCntrLoSpd_M_str.Timer2Tiflesir_inS_uTo	383750110
ehDyn_AutoChtrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoChtrLoSpd_M_str.Timer2_mS_u32	
	2760420809
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn ForceCenterOffset HwDeg M f32	897.609985

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1152.90198		
VehDyn_MinOffset_HwDeg_M_f32	-389.765991		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009		
VehDyn_SLPHwAuth_Uls_M_f32	0.351999998		
VehDyn_StPHwPos_HwDeg_M_f32	21.6700001 2127166208		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32	1		
k HwTgMgnThd HwNm f32	5.25		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	90		
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031		
k TravelXCDeadband Uls f32	7.5		
k_TravelXCHwAuthority_Uls_f32	0.207725003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752		
target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	oS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	ls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-455.329987		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1099.07898		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.80000019 -759.440002		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-136.300003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	21.6700001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target VehDyn Per1 VehicleSpeed Kph f32.value	99.9639969		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	✓
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	383750110	383750110	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc			
	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0		~
		0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0 0 1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1	0 0 1 1	\ \ \
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 1 1 2728878080	0 0 1 1 2728878080	\ \ \
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 1 1 2728878080 2760420809	0 0 1 1 2728878080 2760420809	\ \ \
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 1 1 2728878080 2760420809 -136.300003	0 0 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 1 2728878080 2760420809 -136.300003 -136.300003	0 0 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1 2728878080 2760420809 -136.300003 -136.300003	0 0 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 2728878080 2760420809 -136.300003 -136.300003 0 1	0 0 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 2728878080 2760420809 -136.300003 -136.300003 0 1 1	0 0 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 0 383750110	
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VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1 1 2728878080 2760420809 -136.300003 -136.300003 0 1 1 0 383750110 2760420809 -136.300003 -136.300003 1 0 0 0	0 0 1 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 1 0 0 383750110 2760420809 -136.300003 ± 0.0009 0 1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 1 2728878080 2760420809 -136.300003 -136.300003 0 1 1 0 383750110 2760420809 -136.300003 -136.300003 1 0 0 0 1	0 0 1 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 1 0 0 383750110 2760420809 -136.300003 ± 0.0009 0 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 1 2728878080 2760420809 -136.300003 -136.300003 0 1 1 0 383750110 2760420809 -136.300003 -136.300003 1 0 0 1 1 1	0 0 1 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 1 0 0 383750110 2760420809 -136.300003 ± 0.0009 0 1 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 1 2728878080 2760420809 -136.300003 -136.300003 0 1 1 0 383750110 2760420809 -136.300003 -136.300003 1 0 0 0 1	0 0 1 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 1 0 0 383750110 2760420809 -136.300003 ± 0.0009 0 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 0 1	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-319.029968	-319.029999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.997057	13.997057 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1033.91003	-1033.91003 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.188 (Repeat Count = 1)	Invest Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.600006
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5999985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.5999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.300003
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.8000031
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000761999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
'ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
'ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
enDyn_AutoCntrloSpd_M_str.Hiter2mitalized_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5
	106.5
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0

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Name	Input Value			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1			
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	0			
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404			
VehDyn_MinOffset_HwDeg_M_f32	12.3000002 1.5			
VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989			
VehDyn_SLPHwAuth_Uls_M_f32	0.333000004			
VehDyn_SLPHwPos_HwDeg_M_f32	31.9300003			
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688			
k HiSpdVDAuthority Uls f32	0.89999976			
k HwTqMgnThd HwNm f32	1.10000002			
k_LoSpdVDAuthority_UIs_f32	1			
k_SrlHwAgVldTiThd_mS_u32	70			
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008			
k_TravelXCDeadband_Uls_f32	6.46999979			
k_TravelXCHwAuthority_Uls_f32	0.208949998			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296			
target_GetSystemTime_mS_u32_CurrentTime	824746752			
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsetEl$	edTi 1117112832			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTi				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtri			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	-		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_l target_VehDyn_Per1_SrlHwAg_HwDeg_			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_I			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kpl			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-449.070007			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1093.51001			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.35999966			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.839996			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value				
target_veribyn_r er r_om wag_r wbeg_132.value	31.9300003			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	31.9300003 -4.5999999			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-4.5999999 0	Expected Value	R	esult
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	-4.5999999 0 230	Expected Value	Re	esult •
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	-4.5999999 0 230 Actual Value		Re	esult •
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	-4.5999999 0 230 Actual Value 1 1024 54822322	1 1024 54822322	Re	~
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-4.5999999 0 230 Actual Value 1 1024 54822322 -444.839996	1 1024 54822322 -444.839996 ± 0.0009	Re	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-4.5999999 0 230 Actual Value 1 1024 54822322 -444.839996 -444.839996	1 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009	Re	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-4.5999999 0 230 Actual Value 1 1024 54822322 -444.839996 -444.839996 0 0 0	1 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0	Ro	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-4.5999999 0 230 Actual Value 1 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322	1 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322	Re	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Sinitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-4.5999999 0 230 Actual Value 1 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 -444.839996 0 1 1 0 1024 54822322 -444.839996 1 1 1 0 1024 5482322 -444.839996 -444.839996	1 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 1 0 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 1 1 1 0	Re	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Spd_VehDyn_AutoCntrHiSpd_M_str.Filter1Spd_Spt.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-4.5999999 0 230 Actual Value 1 1024 54822322 -444.839996 -444.839996 0 0 1 1 824746752 54822322 -444.839996 -444.839996 0 1 1 0 1024 54822322 -444.839996 -444.839996 -444.839996 -444.839996	1 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 1 0 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 1 1 0	R	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-4.5999999 0 230 Actual Value 1 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 -444.839996 0 1 1 0 1024 54822322 -444.839996 -444.839996 -444.839996 1 0 0 0 0	1 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 1 0 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 1 1 0 1024 54822322 -444.839996 ± 0.0009 1 0 0 0	R	





Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404	-1157.89404	~
VehDyn_MinOffset_HwDeg_M_f32	12.3000002	12.3000002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50328505	1.50328505 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1442.35999	-1442.35999 ± 0.1	✓

est Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.189 (Repeat Count = 1)		
Name	Input Value	
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.099976	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.099998	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.0999985	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000953999988	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000953999988	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.25	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.699997	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.25	
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.8000031	
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056	
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000753999979	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000500000024	
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005	
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.199997	
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.19999981	
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008	
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190	
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186	
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.50000036e-005	
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000953999988	
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	
5	*	





Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1162.88599		
VehDyn_MinOffset_HwDeg_M_f32	-376.39801		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000479999988		
VehDyn_SLPHwAuth_Uls_M_f32	0.31400001		
VehDyn_SLPHwPos_HwDeg_M_f32	42.1899986		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32 k_TraveIXCDeadband_Uls_f32	56.0999985		
k_TraveIXCHwAuthority UIs f32	5.44000006 0.210174993		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target GetSystemTime mS u32 CurrentTime	824746752		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	l 100	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_Citarget_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-442.809998	_	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1087.94104		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.92000008		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-480.880005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	42.1899986		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	Y Y
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2967684784 -480.880005	2967684784 -480.880005 ± 0.0009	· ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	j
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc			
	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 1 824746752	0 1 824746752	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 1 824746752 2967684784	0 1 824746752 2967684784	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 1 824746752 2967684784 -480.880005	0 1 824746752 2967684784 -480.880005 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 824746752 2967684784 -480.880005 -480.880005	0 1 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 1 824746752 2967684784 -480.880005	0 1 824746752 2967684784 -480.880005 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 1 824746752 2967684784 -480.880005 -480.880005 0	0 1 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009	





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1087.94104	1087.94104	~
VehDyn_MinOffset_HwDeg_M_f32	-442.809998	-442.809998	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.90007687	8.90007687 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.31400001	0.31400001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-438.690002	-438.690002 ± 0.1	✓

Test Step Call Trace	p Call Trace			
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
rmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
e Inst Ap VehDyn	target Rte Inst Ap VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	554.200012
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	126.199997
ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	14.199998
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	33198
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	27074
ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948758
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	710.950012
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000956000003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000956000003
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	120.400002
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	116.5
ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	4.400001
ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	32.25
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	27401
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3174948758
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg_str.K Uls f32	0.000755999994
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00503999996
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Ehable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
ehDyn AutoCntrloSpd M str.MtrVel MtrRadpS f32	120.599998
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	156.600006
, = , = , = , = , = ,	13.6000004
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.6000004
enDyn_AutoCntrLoSpd_M_str.Cntrvvindow_HwDeg_t32 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
ehDyn_AutoCntrloSpd_M_str.Timer2Thresh_mS_u16	30349
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000956000003		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	0		
VehDyn LoSpdLearnt Cnt M Igc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1167.87805		
VehDyn MinOffset HwDeg M f32	-369.713989		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000480999995		
VehDyn SLPHwAuth Uls M f32	0.294999987		
VehDyn_SLPHwPos_HwDeg_M_f32	52.4500008		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680		
k HiSpdVDAuthority UIs f32	1		
k HwTqMgnThd HwNm f32	6.5		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	3229		
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985		
k TravelXCDeadband Uls f32	4.40999985		
k TravelXCHwAuthority Uls f32	0.211400002		
- <i>'</i>			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-436.549988		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1082.37195		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.47999954		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	710.950012		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	52.4500008		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127.450996		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	309385728	309385728	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	710.950012	710.950012 ± 0.0009	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	710.950012	710.950012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
			-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758 3174948758	3174948758 3174948758	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.PalHwPosFilt1SV_HwDag_str.SV_Llls_f32			-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	~





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1082.37195	1082.37195	✓
VehDyn_MinOffset_HwDeg_M_f32	-436.549988	-436.549988	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8978577	13.8978577 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-486.389954	-486.390015 ± 0.1	✓

Test Step Call Trace	Step Call Trace			
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.191 (Repeat Count = 1)	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-714.090027
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000961999991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000961999991
/ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
, = =	159
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	- 1
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	412.700012
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	106.699997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.6999998
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	14442

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn ForceCenterOffset HwDeg M f32	1297.25		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn MaxOffset HwDeg M f32	1172.87		
VehDyn_MinOffset_HwDeg_M_f32	-363.029999		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993		
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	0.00120000006		
k_LoSpdVDAuthority_Uls_f32	0.89999976		
k_SrlHwAgVldTiThd_mS_u32	987		
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997		
k_TravelXCDeadband_Uls_f32	3.38000011		
k_TravelXCHwAuthority_UIs_f32	0.212624997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_Dtrm			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	e 1316564736 target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32)	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	62.7099991 -4.5999999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230	Formanda d Malor	D I
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	54822322 -714.090027	54822322 -714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uis_132 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_132	-714.090027 -714.090027	-714.090027 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	-714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
	1	1	
VehDvn AutoCntrDetSpd M str Filter2Initialized Cnt Idc			
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDvn_AutoCntrHiSpd_M_str.Timer1_mS_u32		824746752	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752 54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32		824746752 54822322 -714.090027 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	824746752 54822322	54822322	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	824746752 54822322 -714.090027	54822322 -714.090027 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	824746752 54822322 -714.090027 -714.090027	54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	824746752 54822322 -714.090027 -714.090027 0	54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	~
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157	1.49870157 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.275999993	0.275999993 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-651.380005	-651.380005 ± 0.1	~

Test Step Call Trace	Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~	
Autocenter_f32	1	Autocenter_f32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	
Autocenter_f32	1	Autocenter_f32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~	

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	554.099976
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	84.099985
'ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	4.0999999
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	52.099985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7778
'ehDyn AutoCntrDetSpd M str.Timer1 mS u32	4004004656
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631
'ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	110.5
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000958000019
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	110.5
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000958000019
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4499969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1.
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.799988
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	86.8000031

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	4004004656		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1397.16003		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1177.86206		
VehDyn_MinOffset_HwDeg_M_f32	-369.75		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
	0.000482000003		
VehDyn_PinTrqSV_M_str.K_UIs_f32			
VehDyn_SLPHwAuth_Uls_M_f32	0.256999999		
VehDyn_SLPHwPos_HwDeg_M_f32	72.9700012		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	16445		
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992		
k_TravelXCDeadband_Uls_f32	2.3499999		
k TravelXCHwAuthority Uls f32	0.213850006		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624		
target_GetSystemTime_mS_u32_CurrentTime	954802432		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-424.029999		
target VehDyn Per1 CwEOT HwDeg f32.value	1071.23401		
target VehDyn Per1 HwTorque HwNm f32.value	-1.22000003		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	110.5		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	72.9700012		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001	1-	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		4004004050	~
V.I.D. A. (O.I.D.) O. I.M. (T. O. O. O.	4004004656	4004004656	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32		4211268631	
VehDyn_AutoCntrDetSpd_m_str. limer2_mS_us2 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4004004656		~
	4004004656 4211268631	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4004004656 4211268631 110.5	4211268631 110.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	4004004656 4211268631 110.5 110.5	4211268631 110.5 ± 0.0009 110.5 ± 0.0009	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	4004004656 4211268631 110.5 110.5 0	4211268631 110.5 ± 0.0009 110.5 ± 0.0009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	4004004656 4211268631 110.5 110.5 0 0	4211268631 110.5 ± 0.0009 110.5 ± 0.0009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	4004004656 4211268631 110.5 110.5 0 0	4211268631 110.5 ± 0.0009 110.5 ± 0.0009 0 0 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656 4211268631 110.5 110.5 0 0 0 1 4004004656	4211268631 110.5 ± 0.0009 110.5 ± 0.0009 0 0 1 4004004656	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656 4211268631 110.5 110.5 0 0 0 1 4004004656 4211268631	4211268631 110.5 ± 0.0009 110.5 ± 0.0009 0 0 1 4004004656 4211268631	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656 4211268631 110.5 110.5 0 0 0 1 4004004656	4211268631 110.5 ± 0.0009 110.5 ± 0.0009 0 0 1 4004004656	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	960.734009	960.734009	~
VehDyn_MinOffset_HwDeg_M_f32	-369.75	-369.75	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39797401	-5.39797354 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.256999999	0.256999999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	183.470001	183.470001 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.193 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1.
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000959999976
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1014.73999
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000959999976
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.799988
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	97
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.900024
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	96.9000015

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.9000015		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.56000009e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn ForceCenterOffset HwDeg M f32	1497.06995		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1182.854		
VehDyn_MinOffset_HwDeg_M_f32	-376.470001		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483000011		
VehDyn_SLPHwAuth_Uls_M_f32	0.238000005		
VehDyn_SLPHwPos_HwDeg_M_f32	83.2300034		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1640834048		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	32		
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985		
k_TraveIXCDeadband_Uls_f32	1.32000005		
k_TravelXCHwAuthority_Uls_f32	0.215075001 3941357312		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	.2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-417.769989		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1065.66504		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.33000004		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.440002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999		
target_VehDyn_Per1_SrlHwAg.HwDg. f32.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	83.2300034 5.5999999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	5.5999999		
· - / · ·	120.410004		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	Actual Value	Expected Value	Result
	1	1	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	*
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 2728878080	0 2728878080	Y
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✓





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1065.66504	1065.66504	~
VehDyn_MinOffset_HwDeg_M_f32	-417.769989	-417.769989	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59575272	7.59575272 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1640834048	1640834048	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.194 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5		
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	106.5		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	1024		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-284.299988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
	1596.97998		
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lqc	1		
7 - 1	0		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1187.84595		
VehDyn_MinOffset_HwDeg_M_f32	-383.190002		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.218999997		
VehDyn_SLPHwPos_HwDeg_M_f32	93.4899979		
VehDyn_SrlHwAgVldTimer_mS_M_u32	862957440		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	3.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	4891		
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008		
k_TravelXCDeadband_Uls_f32	2.8900001		
k_TravelXCHwAuthority_Uls_f32	0.216299996		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	1662097408		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime$	2728878080		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_t	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	<u>f</u> 32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lg		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mi		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-411.51001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1060.09595		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.44000006		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-284.299988		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	93.4899979		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230		
Name		Expected Value	Basul
	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	•
VehDyn AutoCntrDetSnd M str Filter1Enable Cnt Igc	0	0	

0

0

0

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0

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc$

VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc

VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc

 $VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1060.09595	1060.09595	~
VehDyn_MinOffset_HwDeg_M_f32	-411.51001	-411.51001	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49854183	1.49854183 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	862957440	862957440	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.218999997	0.218999997 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-190.809998	-190.809998 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.195 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000964000006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6000004		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.599998		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.5999985		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	52716 54822322		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.51999978e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801		
VehDyn_MinOffset_HwDeg_M_f32	-389.910004		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000484999997		
VehDyn_SLPHwAuth_Uls_M_f32	0.200000003		
VehDyn_SLPHwPos_HwDeg_M_f32	103.75		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1185596672		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	4.0999999		
k_LoSpdVDAuthority_UIs_f32	0 91986		
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031		
k_TravelXCDeadband_Uls_f32	4.46000004		
k_TraveIXCHwAuthority_UIs_f32	0.217525005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	4243378688		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3.		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRactarget_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target VehDyn Per1 SensorlessHwPos Hv	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-405.25		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1054.52698		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.54999995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	987.5		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.78003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1 103.75		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.641006		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	· · · · · · · · · · · · · · · · · · ·

 $VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc$

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	-
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801	-1192.83801	-
VehDyn_MinOffset_HwDeg_M_f32	-389.910004	-389.910004	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000253	-1.60000253 ± 0.000009	-
VehDyn_SrlHwAgVldTimer_mS_M_u32	1185596672	1185596672	-
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	-
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-37.4699707	-37.4700012 ± 0.1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	•

Test Step 2.196 (Repeat Count = 1)	
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000899999985
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1399994
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37799
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41632
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000391999987		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.799988		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.800003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.7999995 42.7999992		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620		
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4004004656		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1267.71802		
VehDyn MinOffset HwDeg M f32	-490.709991		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452999986		
VehDyn SLPHwAuth Uls M f32	0.0549999997		
VehDyn SLPHwPos HwDeg M f32	257.649994		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1314708608		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	5.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVIdTiThd_mS_u32	12		
k_SysKinRatio_MtrDegpHwDeg_f32	32.5		
k_TravelXCDeadband_Uls_f32	28.0100002		
k_TravelXCHwAuthority_Uls_f32	0.2359		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272		
target_GetSystemTime_mS_u32_CurrentTime	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm f3	2	
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrI	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-423.190002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.20000005		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.5		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAg.Vlu_Cnt_lgc.value	257.649994		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5		
target_vehDyn_Per1_rorqueCmdCRr_withNm_isz.value target_vehDyn_Per1_vehicleSpeedValid_Cnt_lgc.value	1.5		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	ixesui
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4004004656	4004004656	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1600	1600 ± 0.009	

1600

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

 1600 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✓
VehDyn_MinOffset_HwDeg_M_f32	-423.190002	-423.190002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29571772	6.29571724 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1314708608	1314708608	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1201.93994	1201.93994 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.197 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	11226
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000902
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.600006
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	54822322

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00070199999		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000395999989		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	621.400024		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	166.399994 4.34000015		
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	12.3000002		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.98000003e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0 497.970001		
VehDyn_ForceCenterOffset_HwDeg_M_f32	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn LoSpdLearnt Cnt M Igc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1272.70996		
VehDyn MinOffset HwDeg M f32	-497.429993		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000453999994		
VehDyn_SLPHwAuth_Uls_M_f32	0.064000003		
VehDyn_SLPHwPos_HwDeg_M_f32	267.910004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2087849472		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	6.0999999		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	45		
k_SysKinRatio_MtrDegpHwDeg_f32	52.2000008		
k_TraveIXCDeadband_Uls_f32	29.5799999		
k_TravelXCHwAuthority_UIs_f32	0.237124994 2659241984		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	1050692864		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime			
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	¹²	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.910004 1440.10000		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.30999994		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	45.0099983		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	267.910004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	,
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	54822322	54822322	

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1272.70996	1272.70996	~
VehDyn_MinOffset_HwDeg_M_f32	-475.920013	-475.920013	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1915827	15.1915827 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2087849472	2087849472	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	267.910004	267.910004 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.198 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29729
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	33804
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00039999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	662.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.139999
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.00000019e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	597.880005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1277.70203
VehDyn_MinOffset_HwDeg_M_f32	-504.149994
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000455000001
VehDyn_SLPHwAuth_Uls_M_f32	0.0729999989
VehDyn_SLPHwPos_HwDeg_M_f32	278.170013
VehDyn_SrlHwAgVldTimer_mS_M_u32	1309118848
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	41.8499985
k_TravelXCDeadband_Uls_f32	31.1499996
k_TravelXCHwAuthority_Uls_f32	0.238350004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1415.25
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.42000008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	278.170013
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.050003





Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216	219286216	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1277.70203	1277.70203	~
VehDyn_MinOffset_HwDeg_M_f32	-438.630005	-438.630005	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9921236	13.9921236 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1309118848	1309118848	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-597.880005	-597.880005 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.199 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.599998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000706000021
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrloSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821 53946
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.02000034e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1282.69397
VehDyn_MinOffset_HwDeg_M_f32	-510.869995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456000009
VehDyn_SLPHwAuth_Uls_M_f32	0.0820000023
VehDyn_SLPHwPos_HwDeg_M_f32	288.429993
VehDyn_SrlHwAgVldTimer_mS_M_u32	54083328
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	63.0139999 32.7200012
k TravelXCHwAuthority Uls f32	0.239574999
target DtrmnElapsedTime mS u32 ElapsedTime	1117112832
target GetSystemTime mS u32 CurrentTime	1316564736
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
	987.698975
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.52999997
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-3.52999997 -456
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-3.52999997 -456 -275.019989
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	-3.52999997 -456 -275.019989
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-3.52999997 -456 -275.019989 0 288.429993
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	-3.52999997 -456 -275.019989





Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	987.698975	987.698975	-
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79478073	7.79478073 ± 0.000009	-
VehDyn_SrlHwAgVldTimer_mS_M_u32	54083328	54083328	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0820000023	0.0820000023 ± 0.004	-
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	13.4100037	13.4099998 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.200 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	580.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0

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VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	Input Value 1 138.100006 166.699997 19.5
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	138.100006 166.699997 19.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	166.699997 19.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
	25.6000004
	10412
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,	328928812
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, =	0.000407939993
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,	1
, _ ,	0
, =	138.100006
	196
	18.2000008
	96.4000015
	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
, = - = = =	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.03999976e-005
	-1482.09998
, =	0.000907999987
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, =	0
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,	-517.590027
	3.20000005
	0.000456999987
	0.090999982
VehDyn_SLPHwPos_HwDeg_M_f32	298.690002
VehDyn_SrlHwAgVldTimer_mS_M_u32	110169728
k_HiSpdVDAuthority_UIs_f32	0.99000001
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
2-77	88.8700027
	34.2900009
	0.240799993
	1736795392
0 - 7	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
	target_VehDyn_Per1_CcwEOT_HwDeg_f32
	target_VehDyn_Per1_CwEOT_HwDeg_f32
· · · · · · ·	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
	target_VenDyn_Per1_MotorvelCRF_MtrRadp5_t32 target_VenDyn_Per1_RelHwPos_HwDeg_f32
	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
	target_VehDyn_Per1_VehicleSpeed_Kph_f32
	-360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360 982.130005
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	982.130005





Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	298.690002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	982.130005	982.130005	~
VehDyn_MinOffset_HwDeg_M_f32	-360	-360	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19688082	3.19688082 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	110169728	110169728	~
target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value	0.99000001	0.99000001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.201 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	621.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000910000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1

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Validay Laudicriticates Just Piller Intelligency 1		
Valting Autoconforting Light International Civilians	Name	Input Value
Victory, Ausconsessing, M. as New John School, 1969. Victory, Ausconsessing, M. as New John School, 1	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VACOR, NALOCHISTICS, M. JERNÍNSKY, MERCEN, M. 1997 VACOR, NALOCHISTICS, M. JERNÍNSKY, MACEN, M. 1997 VACOR, NALOCHISTICS, M. JERNÍNSKY, M.	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VACUP_AMACORESQU_M_SFERENT_CHAN_SES_ VACUP_AMA	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VebOps AutoCreating of M. Schmidter Notes (15)	VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.9000015
Victory_AutoCriticSept_U_m_TransTransEum_m_s16	VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
Validay in Autocrafts pd. M. Internit Three in m. 9.16 Validay in Autocraft Sept. M. Internit Three in m. 9.16 Validay in Autocraft Sept. M. Internit Three in S. 92 Validay in Autocraft Sept. M. Internit Three in Sept. M. Internit Three	VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
Validay in Autocrafts pd. M. Internit Three in m. 9.16 Validay in Autocraft Sept. M. Internit Three in m. 9.16 Validay in Autocraft Sept. M. Internit Three in S. 92 Validay in Autocraft Sept. M. Internit Three in Sept. M. Internit Three	VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	86.4000015
VebDy_AutoChristops_M_air Times_Lines_Use2	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
Varbing AutocherHopd, M. of Innex _ 18, US2 Varbing AutocherHopd,	VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	22497
VanDum_AutoCommission_M. et alterNation_Mission_M. et alterNation_Mission_Mi		383750110
Verbilly Authorithistiquit M. art Rehlevioral 15 V. jaholog. ptr. 5V. julis, 202 Verbilly Authorithistiquit M. art Rehlevioral 15 V. jaholog. ptr. 5V. julis, 202 Verbilly Authorithistiquit M. art Rehlevioral 15 V. julis (ptr. 5V. julis, 202 Verbilly Authorithistiquit M. art Rehlevioral 15 V. julis (ptr. 5V. julis, 202 Verbilly Authorithistiquit M. art Rehlevioral 15 V. julis (ptr. 5V. julis, 202 Verbilly Authorithistiquit M. art Rehlevioral 15 V. julis (ptr. 5V. julis) 4 Verbilly Authorithistiquit M. art Rehlevioral 15 V. julis (ptr. 5V. julis) 4 Verbilly Authorithistiquit M. art Rehlevioral 15 V. julis (ptr. 5V. julis) 4 Verbilly Authorithistiquit M. art Rehlevioral 15 Verbilly Authorithistiquit M. art Rehleviora		2138628886
ValChyn_AusContribge_M_serabrideonists_V index_ser_ser_ser_ser_ser_ser_ser_ser_ser_ser	, - ,	
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Verbiny AutoChristisQuit M. pt First Friendisco (Critic)		
VehDyn AusChriftsgol, M. Er Fierschalbe, Crit. ye VehDyn AusChriftsgol, M. Er Fierschalbe, Dr. 12 VehDyn AusChriftsgol, M. Er Fierschalbe, M. 15 VehDyn AusChriftsgol, M. 15 VehD		
Verbing AusContribision M. stribinstrations (mt. lgs		
VenDry AutoChrist (Sept M. ser Filter Institutes (Cit Up: 1 VenDry AutoChrist (Sept M. ser Filter Institutes (Cit Up: 1 VenDry AutoChrist (Sept M. ser Miner Sept M. ser Miner Sept M. ser VenDry AutoChrist (Sept M. ser Miner Sept M. ser Miner Se		
Verbin, AusContinusced M, shiftwore Wirelands (22)		
Verbiny AutoContoSpd M, Mr More (Mr Mars) S 1/2 26,19997 16,200009 16,		
VehDyn_AusContesSpd_M_str_Neth_pti_neth_n2 VehDyn_AusContesSpd_M_str_Neth_n1 Neth_n3 VehDyn_AusContesSpd_M_str_Neth_n1 Neth_n3 VehDyn_AusContesSpd_M_str_Neth_n2 VehDyn_Neth_n2 VehD		
Vehitys AutoContacSgot M. p. Fillier True, In-Main S2		
VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U16 2291 VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U16 2291 VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U16 2291 VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U16 2291 VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U18 2138628888 VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U18 2138628888 VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U18 2138628888 VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U18 22 753860024 VerbDy_AutCottn(sSpd_M_st_TownFinesh_mS_U18 22 773860024 VerbDy_AutCottn(
VerbDyn_AutControSpd_M_str_NerdTheest_mS_u16 S8220		
VehDyn_AutoCintoSpd_M_str_TimexThreath_mS_uste	·	
Verbory, AutocriticsSpd. M. str. Timer J. Su. 22 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. SV. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. SV. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, AutocriticsSpd. M. str. ReithVerbarilla V. Hvoleg, str. K. Uls. fl. 2 Verbory, ForceCenterCriticsLed Crit. M. Ils. 9 Verbory, Institute, Crit. M. Ils. 9 Verbory, Institute, Crit. M. Ils. 9 Verbory, Institute, Crit. M. Ils. 9 Verbory, M. Michael, L. Hvoleg, M. Ils. 2 Verbory, M. Michael, Hvoleg, M. Ils. 2 Verbory, Institute, M. str. K. Uls. fl. 2 Verbory, Institute, M. str. K. Uls. fl. 2 Verbory, Institute, M. str. K. Uls. fl. 2 Verbory, St. Phwebs, Involve, M. str. K. Uls. fl. 2 Verbory, St. Phwebs, Involve, M. Ils. 2 Verbory, St. Phwebs, Involve, M.		
VerbDyn_AutoCriticSQf M_strEmer2_mS_u32		
VehDyn, AutoCritic Sopt, M. str. Rein-Wosalfist SV, HoDog, str. SV, Us., 192 753.650024 VehDyn, AutoCritic Sopt, M. str. Rein-Wosalfist SV, HoDog, str. SV, Us., 192 753.650024 VehDyn, AutoCritic Sopt, M. str. Rein-Wosalfist SV, HoDog, str. SV, Us., 192 000091000002 VehDyn, AutoCritic Sopt, M. str. Rein-Wosalfist SV, HoDog, str. SV, Us., 192 1 VehDyn, AutoCritic Sopt, M. str. Rein-Rein-Bell Crit. Igo 1 VehDyn, AutoCritic Sopt, M. str. Rein-Rein-Bell Crit. Igo 1 VehDyn, AutoCritic Sopt, M. str. Rein-Rein-Bell Crit. Igo 1 VehDyn, Flore Cerel Rein-Bell Crit. In M. Igo 1 VehDyn, Flore Cerel Rein-Bell Crit. In M. Igo 0 VehDyn, LoSpotl earn, Crit. M. Igo 0 VehDyn, Morfoset, HwDeg, M. 132 -122.67798 VehDyn, Morfoset, HwDeg, M. 132 -323.00998 VehDyn, Elym, M. Ison, W. Ison, M. Ison,		
VenDyn_AutoCriticOspd_M_str.ReiHwPosifitSV_HwDeg_str.K_Us_f32	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VenDry_AutoCriticSpd_M_str_Rein+ProsPitI2SV_HWDeg_str_K_Uis_132	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024
VerbDyn_AutoCnitLoSpd_M_str_RiterFlenbile_Cnt_lgs	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.05999992e-005
VehDyn_AutoCntrLoSpd_M_str.FilterEnable_Cnt_lgc 0 VehDyn_AutoCntLoSpd_M_str.FilterEnable_Cnt_lgc 1 VehDyn_AutoCntLoSpd_M_str.FilterEnable_Cnt_lgc 1 VehDyn_ForceCenterEnable_Cnt_M_lgc 1 VehDyn_ForceCenterEnable_Cnt_M_lgc 0 VehDyn_ForceCenterOffset_HADeg_M_IG2 897.60985 VehDyn_HSpd_Learn_Cnt_M_lgc 0 VehDyn_HSpd_Learn_Cnt_M_lgc 1 VehDyn_LoSpd_Learn_Cnt_M_lgc 0 VehDyn_MnOffset_HADeg_M_IG2 -122.67788 VehDyn_Mnoffset_HADeg_M_IG2 -524.309988 VehDyn_FirtySV_M_str.K_U lls_IG2 -00000071 VehDyn_FirtySV_M_str.K_U lls_IG2 -00000071 VehDyn_FirtySV_M_str.K_U lls_IG2 -00000071 VehDyn_StPHwauth_U lls_M_IG2 -00000071 VehDyn_StPHwauth_U lls_M_IG2 -000000071 VehDyn_StPHWauth_U lls_IG2 -000000071 VehDyn_StPHWauth_U lls_IG2 -000000071 VehDyn_StPHWauth_U lls_IG2 -000000000000000000000000000000000000	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024
VehDyn_AutoCnttLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCnttLoSpd_M_str.Filter1initalized_Cnt_lgc 1 VehDyn_ForceCentecTinise_Hobg_M_str.Zilter2initalized_Cnt_lgc 1 VehDyn_ForceCentecTinise_Hobg_M_str.Zilter2initalized_Cnt_lgc 1 VehDyn_ForceCentecTinise_Hobg_M_str.Zilter2initalized_Cnt_lgc 0 VehDyn_Hispd_Learn_Cnt_M_lgc 0 VehDyn_Hispd_Learn_Cnt_M_lgc 1 VehDyn_MaxOffiset_Hobg_M_str.Zilter2initalized_Cnt_M_lgc 0 VehDyn_MaxOffiset_Hobg_M_str.Zilter2initalized_Cnt_M_lgc 1 VehDyn_MaxOffiset_Hobg_M_str.Zilter2initalized_Cnt_M_lgc -1292.67788 VehDyn_MaxOffiset_Hobg_M_str.Zilter2initalized_Cnt_M_lgc -1292.67788 VehDyn_MincHel_Hobg_M_str.Zilter2initalized_Cnt_M_lgc -54.000001 VehDyn_MincHel_Hobg_M_str.Zilter2initalized_Cnt_M_lgc -54.000001 VehDyn_Str.PitwPos_IntReg_M_str.Zilter_2initalized_Cnt_M_lgc -10.0000001 VehDyn_Str.PitwPos_IntReg_M_str.Zilter_2initalized_Cnt_M_lgc 0.10000001 VehDyn_Str.Zilter_MaxWidTimer_ms_M_u2 824746752 K_Hispa(VDAuthority_Us_1_st_2 0.889999986 K_LoseQuDauthority_Us_1_st_2 0.889999986 K_LoseQuDauthority_Us_1_st_2 0	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
VehDyn_AutoCntLoSpd_M_str-Riter2initalized_Cnt_lgc 1 VehDyn_ForceCenterCnised_Cnt_M_lgc 1 VehDyn_ForceCenterCnised_Cnt_M_lgc 897.609985 VehDyn_HorseCenterCnised_Cnt_M_lgc 0 VehDyn_HorseCenterCnised_HoDeg_M_I32 897.609985 VehDyn_LoSpot_carm_Cnt_M_lgc 1 VehDyn_LoSpot_carm_Cnt_M_lgc 1 VehDyn_MorDiset_MODeg_M_I32 -1292.67798 VehDyn_MinorDiset_MODeg_M_I32 -524.309998 VehDyn_MinorDiset_MODeg_M_I32 -524.309998 VehDyn_PinTrqSV_M_sir K_Uls_I32 -54000001 VehDyn_SIPHWAUT_Uls_M_IS_I32 -000457999995 VehDyn_SIPHWAUT_Uls_M_IS_I32 0.100000001 VehDyn_SIPHWAUT_Uls_M_IS_I32 824746752 VehDyn_SIPHWAUT_Uls_IS_I32 0.89999988 K_HSVTOVAINORY_Uls_IS_I32 0.899999989 K_HSVTOVAINORY_Uls_IS_IS_IS_IS_IS_IS_IS_IS_IS_IS_IS_IS_IS_	VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntLoSpd_M_str_Fiter2Initialized_Cnt_lgc	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_ForceCenterCfiset, HwDeg_M_f32 87.609985 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLeamL_Cnt_M_lgc 0 VehDyn_MonOffset_HwDeg_M_f32 -1.292.67798 VehDyn_MinOffset_HwDeg_M_f32 -524.309998 VehDyn_PinTrqsV_M_str.K_UIs_f32 0.000457999995 VehDyn_PinTrqsV_M_str.K_UIs_f32 0.000457999995 VehDyn_SLPHwaluf_UIs_M_f32 0.100000001 VehDyn_SLPHwaluf_UIs_M_f32 0.100000001 VehDyn_SLPHwaluf_UIs_M_f32 0.89999986 VehDyn_SLPHwaluf_UIS_f32 0.889999986 VehDyn_StrHwAgVIdTimer_mS_M_u32 822748752 K_HisqwDAAuthonty_UIS_f32 0.889999866 K_LospdVDAuthonty_UIS_f32 0.889999986 K_LospdVDAuthonty_UIS_f32 0.14 K_SriHwAgVIdTiThd_mS_u32 7.44 K_SriHwAgVIdTimE_mS_u32 7.44 K_SriHwAgVIdTimE_mS_u32_ElapsedTime 945402432 K_TraveiXCheadband_UIS_f32 0.242025003 K_TraveiXCheadband_UIS_f32 0.242025003 target_Rile_Inst_AD_VehDyn_	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32 897.609985 VehDyn_HiSpdLeamt_Cnt_M_lgo 1 VehDyn_LisSpdLeamt_Cnt_M_lgo 0 VehDyn_LisSpdLeamt_Cnt_M_lgo 0 VehDyn_MaxOffset_HwDeg_M_f32 -1292.87798 VehDyn_MinOffset_HwDeg_M_f32 -524.309988 VehDyn_PinTrqSV_M_str K_US_US_2 -5.4000001 VehDyn_PinTrqSV_M_str K_US_US_2 0.00045799995 VehDyn_SLPHwButh_UIs_M_f32 0.100000001 VehDyn_SLPHwBog_HwDeg_M_f32 388.950012 VehDyn_SLPHwBog_HwDeg_M_f32 0.889999986 VehDyn_SLPHwBog_HwDeg_M_f32 0.889999986 K_HWTQMpTNd_HwNm_f32 0.889999986 K_HWTQMpTNd_HwNm_f32 0.94200000000000000000000000000000000000	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HispdLeamt_Cnt_M_lgc 0 VehDyn_Linkalize_Cnt_M_lgc 1 VehDyn_LosDcLeamt_Cnt_M_lgc 0 VehDyn_LosDcLeamt_Cnt_M_lgc 0 VehDyn_MinOffset_HwDeg_M_f32 -1292_67798 VehDyn_PinTragsV_M_str.SV_Uls_f32 -524_309998 VehDyn_PinTragsV_M_str.SV_Uls_f32 -54,0000001 VehDyn_PinTragsV_M_str.SV_Uls_f32 0.0004673999995 VehDyn_SLPHwatut_Uls_M_f32 0.100000001 VehDyn_SLPHwatut_Uls_M_f32 0.100000001 VehDyn_SLPHwatut_Uls_M_f32 882746752 VehDyn_SHHwAgVidTimer_mS_M_u32 824746752 K_HSdVDAMbority_Uls_f32 0.889999986 K_LoSpdVDAuthority_Uls_f32 0.889999997 K_LoSpdVDAuthority_Uls_f32 0.11999997 K_LoSpdVDAuthority_Uls_f32 744 K_SyskinRalio_MtrDegpHwDeg_f32 75.8700027 K_TravelXCDeadbaut_Uls_f32 75.8700027 K_TravelXCDeadbaut_Uls_f32 0.242025003 Larget_RE_Osla_N_vehDyn_Nerb_m_perf_cweEd_fine_mS_u32_CurrentTime 954802432 target_RE_Call_A_VehDyn_NsystemTime_DitmnElapsedTime_mS_u32_ElapsedTi 2075080192 target_RE_losl_A_VehDyn_Nerb_mPe	VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_Initialize_Cn_M_igc 1 VehDyn_LoSpdLeamt_Cnt_M_igc 0 VehDyn_Mscribet_HwDeg_M_ig2 -1292.67798 VehDyn_MinOffset_HwDeg_M_ig2 -524.309998 VehDyn_PinTrqSV_M_str.K_U_ils_1g2 -540000001 VehDyn_PinTrqSV_M_str.K_U_ils_2g2 0.000467999995 VehDyn_SLPHwAuth_Uls_M_ig2 0.000467999995 VehDyn_SLPHwAuth_Uls_M_ig2 0.000467999995 VehDyn_SLPHwAuth_Uls_M_ig2 0.000467999995 VehDyn_SLPHwAuth_Uls_M_ig2 0.00000001 VehDyn_SLPHwAuth_Uls_Ig_3g2 0.00000001 K_HSpdVDAuthority_Uls_ig32 0.889999966 K_HWingdyITITInd_mS_uls_2 0.119999997 K_SyskinRatio_MinDeghtwDeg_ig32 744 K_SyskinRatio_MinDeghtwDeg_ig32 744 K_TraveKXCHeadond_Uls_ig32 0.240025003 K_TraveKXCHeadond_Uls_ig32 0.240025003 Larget_Rile_Call_Ap_vehDyn_SystemTime_ 94320432 Larget_Rile_Call_Ap_vehDyn_SystemTime_ 9432_CurrentTime Larget_Rile_Call_Ap_vehDyn_NehDyn_Per_LowEOT_HwDeg_ig2 Larget_VehDyn_Per_LowEOT_HwDeg_ig2 Larget_Rile_Inst_Ap_vehDyn_NehDyn_Per_LowEOT_HwDeg_ig2 Larget_VehDyn_Per_LowEOT_HwDeg_ig	VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_LoSpdLearnt_Cn_M_lgc 0 VehDyn_MaxOffset_HWoeg_M_f32 -1292.67798 VehDyn_Mnorfset_HWoeg_M_f32 -524.309998 VehDyn_PinTrqSV_M_str.SV_Uis_f32 -54000001 VehDyn_PinTrqSV_M_str.SV_Uis_f32 0.000457999995 VehDyn_SLPHwAuth_Uis_M_f32 0.100000001 VehDyn_SLPHwAuth_Uis_M_f32 0.1000000001 VehDyn_SLPHwAuth_Uis_M_f32 824746752 VehDyn_SthwAgVidTimer_mS_M_u32 824746752 K_HSpdVDAuthority_Uis_f32 0.889999986 K_HSpdVDAuthority_Uis_f32 0.889999986 K_HSpdVDAuthority_Uis_f32 0.119999997 K_LOSpdVDAuthority_Uis_f32 0.19999997 K_SyskinRatio_MirDepthvDeg_f32 744 K_SyskinRatio_MirDepthvDeg_f32 75.8700027 K_TravelXCHwAuthority_Uis_f32 38.8600006 K_TravelXCHwAuthority_Uis_f32 9.242025003 Larget_Rel_Call_Ap_VehDyn_SystemTime_OtromElapsedTime_mS_u32_CurrentTime 954302432 Larget_Rel_Call_Ap_VehDyn_SystemTime_OtromElapsedTime_mS_u32_CurrentTime 964302432 Larget_Rel_nis_Ap_VehDyn_Perl_CwEOT_HwDeg_f32 target_VehDyn_Perl_CwEOT_HwDeg_f32 Larget_Rel_ins_Ap_VehDyn_NehDyn_Perl_NewThorq	VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 -1292.67798 VehDyn_MinTrigst_M_lsr_St_M_str_St_Ulls_f32 -524.309998 VehDyn_PinTrigsV_M_str_St_Ulls_f32 5.4000001 VehDyn_PinTrigsV_M_str_K_ulls_f32 0.000457999995 VehDyn_SLPHwAuth_ulls_M_f62 0.100000001 VehDyn_SLPHwFos_HwDeg_M_f32 38.950012 VehDyn_StrHwAgVIdTimer_mS_M_u32 824746752 k_HSpdVDAuthority_Ulls_f32 0.889999866 k_HTRJMgmThd_HwIm_f32 0.119999997 k_LoSpdVDAuthority_Ulls_f32 0 k_SyskinRatio_MtrDeptHwDeg_f32 744 k_SyskinRatio_MtrDeptHwDeg_f32 75.8700027 k_TraveRDCadaband_Ulls_f32 38.8600006 k_TraveRDCadaband_Ulls_f32 38.8600006 k_TraveRDCadaband_Ulls_f32 38.8600006 k_TraveRDCadaband_Ulls_f02 38.9400006 k_TraveRDCadaband_Ulls_f02 38.9400006 k_TraveRDCADaband_Ulls_f02 48.9400006 k_TraveRDCADaband_Ulls_f02 48.9400006 k_TraveRDCADaband_Ulls_f02 48.9400006 k_TraveRDCADaband_Ulls_f02 48.9400006		1
VehDyn_MaxOffset_HwDeg_M_f32		0
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target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value	target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value	target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1242.25		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1242.25		· - · - · ·
		-1242.25 976.560974
· - · ·		
target_VehDyn_Per1_HwTorque_HwNm_f32.value -3.75	angot_vonDyn_ren_nwroique_nwivin_ioz.value	**************************************





Name	Input Value		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	245.300003		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753.650024		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	308.950012		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.330002		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	954802432	954802432	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1292.67798	-1292.67798	~
VehDyn_MinOffset_HwDeg_M_f32	-488.599976	-488.600006	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39921045	-5.39921045 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.202 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	44.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.600006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	56.2099991
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	456.450012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000712000008
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000415999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.2000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
	78.1999969
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.08000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn ForceCenterOffset HwDeg M f32	997.52002
7	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1297.67004
VehDyn_MinOffset_HwDeg_M_f32	-531.030029
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000459000003
VehDyn_SLPHwAuth_Uls_M_f32	0.108999997
VehDyn_SLPHwPos_HwDeg_M_f32	319.209991
VehDyn_SrlHwAgVldTimer_mS_M_u32	401380224
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	5.44999981
k LoSpdVDAuthority Uls f32	1
k SrlHwAgVldTiThd mS u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	97.4499969
k TravelXCDeadband Uls f32	37.4300003
k_TraveIXCHwAuthority_UIs_f32	0.243249997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_ReiHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_ReiHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_ReiHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc





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Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleS	Speed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-423.190002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	970.992004		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.8599999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999		
target VehDyn Per1 RelHwPos HwDeg f32.value	456.450012		
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	319.209991		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target VehDyn Per1 VehicleSpeed Kph f32.value	56		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.450012	456.450012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✓
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2728878080	2728878080	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✓
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	456.450012	456.450012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✓
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	456.450012	456.450012 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0	0	_
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn LoSpdLearnt Cnt M Igc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	970.992004	970.992004	_
VehDyn MinOffset HwDeg M f32	-423.190002	-423.190002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59471798	7.59471798 ± 0.000009	_
VehDyn SrlHwAgVldTimer mS M u32	401380224	401380224	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.203 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.600006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.599998	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.6000004	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	96.5999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.699997
	9.60000038
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000714000023
	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000419999997
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.3000031
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	226.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.10000022e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn ForceCenterEnabled Cnt M Igc	1
VehDyn ForceCenterOffset HwDeg M f32	1097.43005
	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-3.5999999
VehDyn_MinOffset_HwDeg_M_f32	7.80000019
VehDyn PinTrqSV M str.SV Uls f32	1.5
VehDyn PinTrgSV M str.K Uls f32	0.00046000001
VehDyn_SLPHwAuth_Uls_M_f32	0.118000001
VehDyn_SLPHwPos_HwDeg_M_f32	329.470001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1748130048
k_HiSpdVDAuthority_Uls_f32	0.340000004
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	0
k SrlHwAgVldTiThd mS u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	86.6999969
k TravelXCDeadband Uls f32	39
k_TraveIXCHwAuthority_UIs_f32	0.244475007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816
target_GetSystemTime_mS_u32_CurrentTime	824746752
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
goror_np_vonbjn.vonbjn_r or n_onriw/ng_riwbog_loz	angon_ saley or _or mang_rmbog_loz





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueC	mdCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleS	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.910004		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	965.422974		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.97000003		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	969.01001		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	329.470001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.2200012		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	•
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2553156835	2553156835	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	969.01001	969.01001 ± 0.0009	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	969.01001	969.01001 ± 0.0009	-
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	•
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2553156835	2553156835	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc	1	1	•
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	824746752	824746752	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	•
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	969.01001	969.01001 ± 0.0009	-
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn Initialize Cnt M Igc	1	1	-
VehDyn LoSpdLearnt Cnt M Igc	0	0	✓
VehDyn MaxOffset HwDeg M f32	-3.5999999	-3.5999999	-
VehDyn MinOffset HwDeg M f32	7.80000019	7.80000019	•
VehDyn PinTrqSV M str.SV UIs f32	1,49745774	1.49745786 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	1748130048	1748130048	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-128.420044	-128.419998 ± 0.1	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.204 (Repeat Count = 1)		*
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrlHiSpd_M_str.MtrVel_MtrRadpS_f32	100.400002 206.100006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.099999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.599985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1397.33997
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
VehDyn AutoCntrHiSpd M str.ReiHwPosFilt1SV_HwDeg_str.K_Uis_t32 VehDyn AutoCntrHiSpd M str.ReiHwPosFilt2SV HwDeg str.SV UIs f32	-1397.33997
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000423999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	32.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.11999965e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00091599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn ForceCenterEnabled Cnt M Igc	0
VehDyn ForceCenterOffset HwDeg M f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn MaxOffset HwDeg M f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-544.469971
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000460999989
VehDyn_SLPHwAuth_Uls_M_f32	0.127000004
VehDyn_SLPHwPos_HwDeg_M_f32	339.730011
VehDyn_SrlHwAgVldTimer_mS_M_u32	89
k_HiSpdVDAuthority_UIs_f32	0
k HwTqMgnThd HwNm f32	
k LoSpdVDAuthority UIs f32	1
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	40.5699997
k_TravelXCHwAuthority_UIs_f32	0.245700002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
5	target VehDyn Per1 CcwEOT HwDeg f32
target Rte Inst Ap VehDyn.VehDvn Per1 CcwEOT HwDea f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeq f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32
· · · · · · · · · · · · · · · · · · ·	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	Authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	HwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd	CRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	ed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	959.854004		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.07999992		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.0999985		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1397.33997		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	339.730011		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.8800011		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1397.33997	-1397.33997 ± 0.009	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1397.33997	-1397.33997 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	_
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	·
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc			
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	
VehDyn MaxOffset HwDeg M f32	-2840	-2840	
	958.709961		
VehDyn_MinOffset_HwDeg_M_f32		958.710022	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60115242	-1.6011523 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	89	89	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.127000004	0.127000004 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1057.60999	-1057.60999 ± 0.1	→

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDvn Per1 CP1 ChecknointReached	1	_

Test Step 2.205 (Repeat Count = 1)	🗸
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976

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VehDyn_AutoCntrDetSpd_M_str.FiliPniTrig_HwNm_f32 6.09999998 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 8.09999985 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 33198 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 3198 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 0.000918000005 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000918000005 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt.lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt.lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt.lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt.lgc 0 VehDyn_AutoCntrHSpd_M_str.Filter1Thitalted_Cnt.lgc 0 VehDyn_AutoCntrHSpd_M_str.Timer1Thresh_mS_u16 38888 VehDyn_AutoCntrHSpd_M_str.Timer1_mS_u32 216.539993 VehDyn_AutoCntrHSpd_M_str.Timer1_mS_u32 2760420809 VehDyn_AutoCntrHSpd_M_str.Timer2_mS_u32 2760420809 VehDyn_AutoCntrHSpd_M_str.Timer2_mS_	
VehDyn_AutoCntrDelSpd_M_str.Timer1Thresh_mS_u16	
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VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2760420809 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 7.1399998e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 0.000918000005 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_ForceCenterCnffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_IoSpdLearnt_Cnt_M_lgc 0 VehDyn_IoSpdLearnt_Cnt_M_lgc 0 VehDyn_MinOffset_HwDeg_M_f32 -551.190002	
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VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2760420809 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.1399998e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000918000005 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initalized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initalized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initalized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initalized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_IoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -551.190002 VehDyn_PinTrqSV_M_str.K_UIs_f	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.1399998e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000918000005 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HispdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_SirrtqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000461999996 VehDyn_SLPHwAuth_UIs_M	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 7.1399998e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 0.000918000005 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterCenabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_SLPHwAuth_Uls_M_f32 0.000461999996 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 7.1399998e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 0.000918000005 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterCffset_HwDeg_M_f32 1297.25 VehDyn_HispdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_SLPHwAuth_Uls_M_f32 0.000461999996 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 0.000918000005 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000461999996 VehDyn_SLPHwAuth_Uls_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 0.000918000005 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000461999996 VehDyn_SLPHwAuth_Uls_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 1551.190002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000461999996 VehDyn_SLPHwAuth_UIs_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000461999996 VehDyn_SLPHwAuth_UIs_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000461999996 VehDyn_SLPHwAuth_UIs_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000461999996 VehDyn_SLPHwAuth_UIs_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000461999996 VehDyn_SLPHwAuth_UIs_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_ForceCenterOffset_HwDeg_M_f32 1297.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000461999996 VehDyn_SLPHwAuth_UIs_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000461999996 VehDyn_SLPHwAuth_UIs_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000461999996 VehDyn_SLPHwAuth_Uls_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_MaxOffset_HwDeg_M_f32 1440.10999 VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000461999996 VehDyn_SLPHwAuth_Uls_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_MinOffset_HwDeg_M_f32 -551.190002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000461999996 VehDyn_SLPHwAuth_Uls_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000461999996 VehDyn_SLPHwAuth_Uls_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000461999996 VehDyn_SLPHwAuth_Uls_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_SLPHwAuth_Uls_M_f32 0.136000007 VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_SLPHwPos_HwDeg_M_f32 349.98999	
VehDyn_SrlHwAgVldTimer_mS_M_u32 4178051584	
, _ 0 = _ =	
k_HiSpdVDAuthority_Uls_f32 0.670000017	
k_HwTqMgnThd_HwNm_f32 1.5	
k_LoSpdVDAuthority_UIs_f32 0	
k_SrlHwAgVldTiThd_mS_u32 703	
k_SysKinRatio_MtrDegpHwDeg_f32 32.5400009	
k_TravelXCDeadband_Uls_f32 42.1399994	
k_TravelXCHwAuthority_UIs_f32 0.246924996	
target_DtrmnElapsedTime_mS_u32_ElapsedTime 1662097408	
target_GetSystemTime_mS_u32_CurrentTime 4164171008	
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi 824746752 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 4178051584	
	CowEOT HwDen f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f42 target_VehDyn_Per1_HwNm_f42 target_VehDyn_Per1_HwNm_f42 target_VehDyn_Per1_HwNm_f42 target_VehDyn_Per1_HwNm_f42 target_VehDyn_Per1_HwNm_f42	_CcwEOT_HwDeg_f32 _CwEOT_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelC	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_	_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_Sensorless	Authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorless	sHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVI	d_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_F	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCm	dCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpe	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpe	eed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-446.350006		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	954.284973		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.19000006		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75		
target VehDyn Per1 RelHwPos HwDeg f32.value	-913.679993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	349.98999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	~
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2967684784	2967684784	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-913.679993	-913.679993 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0	0	v
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	_
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	v
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	V
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	V
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-913.679993	-913.679993 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	0	0	·
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	-
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn LoSpdLearnt Cnt M Igc	0	0	
VehDyn MaxOffset HwDeg M f32	1440.10999	1440.10999	
VehDyn_MinOffset_HwDeg_M_f32	467.329987	467.329987	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.794982	-14.794982 ± 0.00009	
VehDyn SrlHwAgVldTimer mS M u32	4178051584	-14.794962 ± 0.00009 4178051584	-
veii byii _oii i wagviu i iiilei _iii o_ivi_uoz	+170001004	4170001004	_

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

-1600

1 ± 0.004

-1600 ± 0.1

Test Step 2.206 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.2999992
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821 14442
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00092000002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092000002
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.599998
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	42.5999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.599999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000720000011
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432000001
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.5
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3796740682 476.670013
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_ois_i32	7.15999995e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092000002
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn ForceCenterEnabled Cnt M Igc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	1397.16003
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
'ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	1425.25
/ehDyn_MinOffset_HwDeg_M_f32	-557.909973
ehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000463000004
ehDyn_SLPHwAuth_Uls_M_f32	0.144999996
ehDyn_SLPHwPos_HwDeg_M_f32	360.25
ehDyn_SrlHwAgVldTimer_mS_M_u32	459322752
_HiSpdVDAuthority_Uls_f32	0.119999997
_HwTqMgnThd_HwNm_f32	9.19999981
LoSpdVDAuthority_Uls_f32	1
SrIHwAgVldTiThd_mS_u32	9000
SysKinRatio_MtrDegpHwDeg_f32	86.6399994
TravelXCDeadband_Uls_f32	43.7099991
 _TravelXCHwAuthority_Uls_f32	0.248150006
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
arget GetSystemTime mS u32 CurrentTime	437658624
arget_GetSystemTime_mS_u32_CurrentTime	437658624





Name	Input Value			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	e 4077829376			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrI			
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid C			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f3			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-454.070007			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	948.716003			
target_VehDyn_Per1_HwTorque_HwNm_f32.value		-4.30000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.099976			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	476.670013			
	1			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	360.25			
V - V V - V - V - V - V - V - V - V	4,5999999			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489	1=	1	
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	~	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	~	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_Initialize_Cnt_M_lgc	1	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	_	
VehDyn MaxOffset HwDeg M f32	472.04599	472.04599		
VehDyn MinOffset HwDeg M f32	-557.909973	-557.909973	·	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79442263	7.79442215 ± 0.000009		
VehDyn_SrlHwAgVldTimer_mS_M_u32	459322752	459322752	_	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	_	
		-920.48999 ± 0.1	·	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-920.48999	-920.48999 ± 0.1	~	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	•

Test Step 2.207 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

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Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.400024
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000921999977
	385.579987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.600006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000722000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000436000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1800001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VenDyn_AutoCntrLoSpd_in_str.Filter2initiatized_Cnt_igc VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
	1497.06995
VehDyn_ForceCenterOffset_HwDeg_M_f32	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
/ehDyn_PinTrqSV_M_str.K_UIs_f32	0.000464000012
VehDyn_SLPHwAuth_Uls_M_f32	0.153999999
/ehDyn_SLPHwPos_HwDeg_M_f32	370.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1391465216
K_HiSpdVDAuthority_Uls_f32	0.75999999
K HwTgMgnThd HwNm f32	5.25
C_NWTqMgrTTIQ_HWMII_IS2	1
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	52.5400009
k_TravelXCDeadband_Uls_f32	45.2799988
k_TraveIXCHwAuthority_Uls_f32	0.249375001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688





Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	3941357312		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2644937728		
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAuthority_L		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	-0_	
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.	_ ·	
target VehDyn Per1 CcwEOT HwDeg f32.value	-461.790009		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	943.146973		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.40999985		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.009995		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	385.579987		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	370.51001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.270004		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	•
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	385.579987	385.579987 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002	-1302.15002	~
VehDyn_MinOffset_HwDeg_M_f32	-847.369995	-847.369995	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7896194	17.7896194 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1391465216	1391465216	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1111.48999	-1111.48999 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_



Fest Step 2.208 (Repeat Count = 1)	In the Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	123.099998
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	27401
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
,	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.6500015
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.580002
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.64999998
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3174948758
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1377.90002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000440000003
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.5
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.5
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	3382212733
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.20000025e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.N_0is_i32	-1377.90002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uis_i32	0.000923999993
· - · ·	0.000923999993
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	·
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	1298.25
ehDyn_MinOffset_HwDeg_M_f32	2840
ehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046499999
ehDyn SLPHwAuth Uls M f32	0.163000003
	380.769989
ehDyn_SLPHwPos_HwDeg_M_f32	
ehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616
_HiSpdVDAuthority_Uls_f32	0.779999971
_HwTqMgnThd_HwNm_f32	1.10000002
_LoSpdVDAuthority_UIs_f32	0
_SrlHwAgVldTiThd_mS_u32	20045
_SysKinRatio_MtrDegpHwDeg_f32	10.0500002

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Name	Input Value		
k_TravelXCDeadband_Uls_f32	46.8499985		
k_TravelXCHwAuthority_Uls_f32	0.25060001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
target_GetSystemTime_mS_u32_CurrentTime	3304439296		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	954802432		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_m$	2212175616		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-469.51001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	937.578003		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.51999998		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.73999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1377.90002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	380.769989		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.859985		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	- Acoust
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	J
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	-
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3382212733	3304439290	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		3383313733	_
VEHDYII AULUCHURISPU W SU.KEIRWFUSFIILISV RWDEU SILSV UIS 132		3382212733	V
	-1377.90002	-1377.90002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002 -1377.90002	-1377.90002 ± 0.009 -1377.90002 ± 0.009	v
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1377.90002 -1377.90002 0	-1377.90002 ± 0.009 -1377.90002 ± 0.009 0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1377.90002 -1377.90002 0	-1377.90002 ± 0.009 -1377.90002 ± 0.009 0	v
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	-1377.90002 -1377.90002 0 0	-1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-1377.90002 -1377.90002 0 0 1	-1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1	v
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VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-1377.90002 -1377.90002 0 0 0 1 3304439296 3382212733 -1377.90002 -1377.90002 0 1 1 1 0 1 0 1298.25	-1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 1 1 1 0 1 0 1298.25	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	-1377.90002 -1377.90002 0 0 1 3304439296 3382212733 -1377.90002 -1377.90002 0 1 1 1 0 1 0 1298.25 2840	-1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 0 1 1 1 0 1 0 1298.25 2840	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1377.90002 -1377.90002 0 0 0 1 3304439296 3382212733 -1377.90002 -1377.90002 0 1 1 1 0 1 9 1298.25 2840 -6.99862003	-1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 1 1 1 0 1298.25 2840 -6.99862003 ± 0.000009	· · · · · · · · · · · · · · · · · · ·



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.209 (Repeat Count = 1) ame	Input Value
ame trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2000008
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	125.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000926000008
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	94.5999985
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000725999998
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1380.59998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000444000005
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
7 - 7 - 2	94.3000031
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	18.5
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.300031
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.21999968e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1294.34998		
VehDyn_MinOffset_HwDeg_M_f32	-1242.25		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000465999998 0.172000006		
VehDyn SLPHwPos HwDeg M f32	391.029999		
VehDyn SrlHwAgVldTimer mS M u32	2059598336		
k_HiSpdVDAuthority_UIs_f32	0.233999997		
k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	951		
k_SysKinRatio_MtrDegpHwDeg_f32	25.5499992		
k_TravelXCDeadband_Uls_f32	48.4199982		
k_TravelXCHwAuthority_UIs_f32	0.251825005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	3039943680 2167769344		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-477.230011		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	932.008972		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.63000011		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.449997		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1380.59998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	391.029999 5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.880005		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	<u> </u>
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998 -1380.59998	-1380.59998 ± 0.009 -1380.59998 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	-
VehDyn_MaxOffset_HwDeg_M_f32	-1294.34998	-1294.34998	
VehDyn_MinOffset_HwDeg_M_f32	903.369995	903.369995	¥
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29500914	6.29500866 ± 0.000009	

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Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2059598336	2059598336	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	119.630005	119.629997 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.210 (Repeat Count = 1)	Input Value
ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_Diffinit_lapsedTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
e_nist_Ap_venbyn hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.2999992
ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	18.2999992
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000928000023
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000928000023
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.300003
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	42.5999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.5999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000728000014
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000448000006
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.599998
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.29999995
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.23999983e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000928000023
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	0

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1290.44995		
VehDyn_MinOffset_HwDeg_M_f32	-524.309998		
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	7.80000019 0.000467000005		
VehDyn SLPHwAuth Uls M f32	0.180999994		
VehDyn SLPHwPos HwDeg M f32	401.290009		
VehDyn_SrlHwAgVldTimer_mS_M_u32	633730944		
k HiSpdVDAuthority Uls f32	1		
k_HwTqMgnThd_HwNm_f32	6.5		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	4856		
k_SysKinRatio_MtrDegpHwDeg_f32	86.8499985		
k_TravelXCDeadband_Uls_f32	0		
k_TraveIXCHwAuthority_UIs_f32	0.253049999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736		
target_GetSystemTime_mS_u32_CurrentTime	3714197504		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAutinonty_Ois_i32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	vDeg_132	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-484.950012		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	926.440002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.73999977		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.400024		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	703.02002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	401.290009		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489	I=	1
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	¥
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	*
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	703.02002 1	703.02002 ± 0.0009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	J
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	J
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	-
	3796740682	3796740682	-
VehDvn AutoCntrHiSpd M str.Timer2 mS u32			
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	703.02002	703.02002 ± 0.0009	✓
	703.02002 703.02002	703.02002 ± 0.0009 703.02002 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	703.02002 0	703.02002 ± 0.0009 0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	703.02002 0 0	703.02002 ± 0.0009 0 0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	703.02002 0 0 0	703.02002 ± 0.0009 0 0 0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	703.02002 0 0 0 1	703.02002 ± 0.0009 0 0 0	***
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	703.02002 0 0 0 1 3714197504	703.02002 ± 0.0009 0 0 0 1 3714197504	***
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	703.02002 0 0 0 1 3714197504 3796740682 703.02002 703.02002	703.02002 ± 0.0009 0 0 1 3714197504 3796740682 703.02002 ± 0.0009 703.02002 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	703.02002 0 0 0 1 3714197504 3796740682 703.02002 703.02002	703.02002 ± 0.0009 0 0 1 3714197504 3796740682 703.02002 ± 0.0009 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	703.02002 0 0 0 1 3714197504 3796740682 703.02002 703.02002 0	703.02002 ± 0.0009 0 0 1 3714197504 3796740682 703.02002 ± 0.0009 703.02002 ± 0.0009 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	703.02002 0 0 0 1 3714197504 3796740682 703.02002 703.02002 0 1	703.02002 ± 0.0009 0 0 1 3714197504 3796740682 703.02002 ± 0.0009 703.02002 ± 0.0009 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	703.02002 0 0 1 3714197504 3796740682 703.02002 703.02002 0 1	703.02002 ± 0.0009 0 0 1 3714197504 3796740682 703.02002 ± 0.0009 703.02002 ± 0.0009 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	703.02002 0 0 1 3714197504 3796740682 703.02002 703.02002 0 1 1	703.02002 ± 0.0009 0 0 1 3714197504 3796740682 703.02002 ± 0.0009 703.02002 ± 0.0009 0 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	703.02002 0 0 1 3714197504 3796740682 703.02002 703.02002 0 1 1 1	703.02002 ± 0.0009 0 0 1 3714197504 3796740682 703.02002 ± 0.0009 703.02002 ± 0.0009 0 1 1 1 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	703.02002 0 0 1 3714197504 3796740682 703.02002 703.02002 0 1 1	703.02002 ± 0.0009 0 0 1 3714197504 3796740682 703.02002 ± 0.0009 703.02002 ± 0.0009 0 1 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-524.309998	-524.309998	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79416895	7.79416847 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	633730944	633730944	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	401.290009	401.290009 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
	target DtrmnElapsedTime mS u32 ElapsedTime
trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime_mS_u32(CurrentTime)	
te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_GetSystemTime_mS_u32_CurrentTime
	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.099976
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	124.099998
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.1000038
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.099985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00092999998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092999998
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.300003
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.300003
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000730000029
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000452000007
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
enDyn_AutoCntrnispd_M_str.MtrVel_MtrRadpS_f32	124.300003
enDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	76.5999985
enDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.599999
·	97.5999985
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.25999998e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092999998
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0





Input Value		
0		
0.189999998		
411.549988		
2659241984		
0		
0.00120000006		
1		
90		
56.3300018		
	Dog #22	
	_	
target_VehDyn_Per1_VehicleSpeed	IValid_Cnt_lgc	
target_VehDyn_Per1_VehicleSpeed	I_Kph_f32	
-492.670013		
920.870972		
-4.8499999		
-759.549988		
829.530029		
-		
		n v
	· ·	Result
		¥
		~
829.530029	829.530029 ± 0.0009	
829.530029	829.530029 ± 0.0009	•
829.530029 0	829.530029 ± 0.0009 0	•
829.530029 0 0	829.530029 ± 0.0009 0 0	
829.530029 0 0 0	829.530029 ± 0.0009 0 0 0	0
829.530029 0 0 0 1	829.530029 ± 0.0009 0 0 0	
829.530029 0 0 0 1 3796740682	829.530029 ± 0.0009 0 0 0 1 3796740682	
829.530029 0 0 0 1 3796740682 4004004656	829.530029 ± 0.0009 0 0 0 1 3796740682 4004004656	
829.530029 0 0 0 1 3796740682 4004004656 829.530029	829.530029 ± 0.0009 0 0 0 1 3796740682 4004004656 829.530029 ± 0.0009	
829.530029 0 0 0 1 3796740682 4004004656	829.530029 ± 0.0009 0 0 0 1 3796740682 4004004656	
829.530029 0 0 0 1 3796740682 4004004656 829.530029 829.530029	829.530029 ± 0.0009 0 0 0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009	
829.530029 0 0 0 1 3796740682 4004004656 829.530029 829.530029 0	829.530029 ± 0.0009 0 0 1 3796740682 4004004656 829.530029 ± 0.0009 0	
829.530029 0 0 1 3796740682 4004004656 829.530029 829.530029 0 1	829.530029 ± 0.0009 0 0 0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0	
829.530029 0 0 1 3796740682 4004004656 829.530029 829.530029 0 1	829.530029 ± 0.0009 0 0 1 3796740682 4004004656 829.530029 \pm 0.0009 829.530029 \pm 0.0009 0 1	
829.530029 0 0 1 3796740682 4004004656 829.530029 829.530029 0 1 1	829.530029 ± 0.0009 0 0 1 3796740682 4004004656 829.530029 \pm 0.0009 0 1 1 0	
829.530029 0 0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 0 3796740682	829.530029 ± 0.0009 0 0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 1 0 3796740682	
829.530029 0 0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 0 3796740682 4004004656	829.530029 ± 0.0009 0 0 0 1 3796740682 4004004656 829.530029 ± 0.0009 0 1 1 0 3796740682 4004004656	
829.530029 0 0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 0 3796740682 4004004656 829.530029	829.530029 ± 0.0009 0 0 0 1 3796740682 4004004656 829.530029 ± 0.0009 0 1 1 0 3796740682 4004004656 829.530029 ± 0.0009	
829.530029 0 0 0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 0 3796740682 4004004656 829.530029 829.530029	829.530029 ± 0.0009 0 0 0 1 3796740682 4004004656 829.530029 ± 0.0009 0 1 1 0 3796740682 4004004656 829.530029 ± 0.0009	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	920.870972	920.870972	~
VehDyn_MinOffset_HwDeg_M_f32	-492.670013	-492.670013	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.196172	3.196172 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.18999998	0.189999998 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1241.08008	1241.07996 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	554.200012
· - · · · -	84.199969
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32	4.1999981
, =	
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000931999995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.600006
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.2999992
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000456000009
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.200012
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.3000031
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	4004004656
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1123.40002
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000931999995

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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1 -1200.5			
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	0			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn LoSpdLearnt Cnt M Igc	0			
VehDyn MaxOffset HwDeg M f32	-1282.65002			
VehDyn_MinOffset_HwDeg_M_f32	-551.190002			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468999991			
VehDyn_SLPHwAuth_Uls_M_f32	0.199000001			
VehDyn_SLPHwPos_HwDeg_M_f32	421.809998			
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360			
k_HiSpdVDAuthority_Uls_f32	1			
k_HwTqMgnThd_HwNm_f32	1.10000002			
k_LoSpdVDAuthority_UIs_f32	0			
k_SrlHwAgVldTiThd_mS_u32	70			
k_SysKinRatio_MtrDegpHwDeg_f32	54.7799988			
k_TravelXCDeadband_UIs_f32	45.9799995			
k_TravelXCHwAuthority_Uls_f32	0.255499989 954802432			
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	71426560			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT				
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime				
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-500.390015			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	915.302002			
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-4.96000004 -835.099976			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002			
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	421.809998			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995			
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.049988			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	•	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	•	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002 1123.40002	1123.40002 ± 0.009 1123.40002 ± 0.009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1	1		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	71426560	71426560		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	•	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	•	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•	
VehDvn AutoCntrl oSnd M str Filter2Enable Cnt Igc	14	Ta .	I	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002	-1282.65002	✓
VehDyn_MinOffset_HwDeg_M_f32	-551.190002	-551.190002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39978266	-5.39978266 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.213 (Repeat Count = 1)	
Name Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	11226
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000902
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000902
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	621
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	136.600006
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	1.10000002
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	26195
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	22037
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	54822322
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	45.0099983
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00070199999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000395999989
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn_AutoOntr\u00e409\u00e4m\u00e4st\u00e4\u00e4nt\u	621.400024
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.399994
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	4.34000015
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow HwDeg f32	12.3000002
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrLoSpd_M_str.Timer*Thresh_mS_u16	27074
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u10 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrLoSpd_M_sir.Timer1_m3_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.98000003e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn ForceCenterOffset HwDeg M f32	497.970001		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1272.70996		
VehDyn_MinOffset_HwDeg_M_f32	-497.429993		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000453999994		
VehDyn_SLPHwAuth_Uls_M_f32	0.064000003		
VehDyn_SLPHwPos_HwDeg_M_f32	267.910004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	889845248		
k HiSpdVDAuthority UIs f32	1		
k HwTqMgnThd HwNm f32	6.099999		
k_LoSpdVDAuthority_Uls_f32	0		
	45		
k_SrlHwAgVIdTiThd_mS_u32			
k_SysKinRatio_MtrDegpHwDeg_f32	52.2000008		
k_TravelXCDeadband_Uls_f32	20		
k_TravelXCHwAuthority_Uls_f32	0.237124994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984		
target_GetSystemTime_mS_u32_CurrentTime	1050692864		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF MtrNm f32		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr	_	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32			
	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.910004		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.30999994		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	45.0099983		
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	267.910004		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-1.6000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target VehDyn Per1 VehicleSpeed Kph f32.value	499		
		I .	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	45.0099983	45.0099983 ± 0.00009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	-
	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc			
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	-
	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc			
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	1272.70996	1272.70996	~
VehDyn_MinOffset_HwDeg_M_f32	-475.920013	-475.920013	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1945877	15.1945877 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	889845248	889845248	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	267.910004	267.910004 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name .	Immut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.1999969
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000934000011
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000934000011
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.6000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.5999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000734000001
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00046000001
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.099976
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.099985
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.3000019
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.30000029e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000934000011		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn Initialize Cnt M Igc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1278.75		
VehDyn_MinOffset_HwDeg_M_f32	-564.630005		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000469999999		
VehDyn_SLPHwAuth_Uls_M_f32	0.208000004		
VehDyn_SLPHwPos_HwDeg_M_f32	432.070007		
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	41.0400009		
k_TravelXCDeadband_Uls_f32	24.8700008		
k_TravelXCHwAuthority_UIs_f32	0 2728878080		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime	2430672128		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-508.109985 909.732971		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.07000017		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-835.200012		
target_VehDyn_Per1_MotorveiCRP_MitRaupS_i3z.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-835.200012 -378.170013		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	432.070007		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.480003		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2430672128	2430672128	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	*
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013 0	-378.170013 ± 0.0009	*
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
vonbyn_Autoontri iiopu_ivi_str.Filterzenable_ont_igc	<u> </u>	<u> </u>	



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1278.75	1278.75	•
VehDyn_MinOffset_HwDeg_M_f32	-129.939972	-129.940002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59410906	7.59410906 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376	4077829376	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.208000004	0.208000004 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	53.8999939	53.9000015 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.215 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.700012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.5400009
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	75.5
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	33198
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1415.88
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000736000016
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1415.88
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000464000012
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	456.299988
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	86.099985

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VehDyn_Per1



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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656			
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.31999971e-005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1 -1000.67999			
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	0			
VehDyn_LoSpdLearnt_Cnt_M_lgc	1			
VehDyn_Loopaceam_ont_w_igo VehDyn_MaxOffset_HwDeg_M_f32	-1274.84998			
VehDyn_MinOffset_HwDeg_M_f32	-578.070007			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007			
VehDyn SLPHwAuth Uls M f32	0.216999993			
VehDyn_SLPHwPos_HwDeg_M_f32	442.329987			
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832			
k_HiSpdVDAuthority_Uls_f32	0			
k_HwTqMgnThd_HwNm_f32	3.0999999			
k_LoSpdVDAuthority_UIs_f32	1			
k_SrlHwAgVldTiThd_mS_u32	3229			
k_SysKinRatio_MtrDegpHwDeg_f32	54.1399994			
k_TravelXCDeadband_Uls_f32	28.0100002			
k_TravelXCHwAuthority_UIs_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752			
target_GetSystemTime_mS_u32_CurrentTime	2242866176			
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u322_Elapse$	4178051584			
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u322_CurrentTime_mS_u322_CurrentTime_mS_u322_CurrentTime_mS_u322_CurrentTime_$	1117112832			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadp			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	600		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-515.830017 904.164001			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.17999983			
	-835.299988			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1415.88			
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0			
target VehDyn Per1 SrlHwAg HwDeg f32.value	442.329987			
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	1.29999995			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.640015			
Name	Actual Value	Expected Value	Resu	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	Resul	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2242866176	2242866176		
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Eriable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009		
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1415.88	-1415.88 ± 0.009		

-1415.88

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

-1415.88 ± 0.009



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	904.164001	904.164001	~
VehDyn_MinOffset_HwDeg_M_f32	-515.830017	-515.830017	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39988518	-5.39988518 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-415.200012	-415.200012 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.216 (Repeat Count = 1)	· ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000937999983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.600006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000737999973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000468000013
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1

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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412			
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.300003			
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1000004			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024			
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.33999987e-005			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1			
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002			
VehDyn_HiSpdLearnt_Cnt_M_lgc	0			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	0			
VehDyn_MaxOffset_HwDeg_M_f32	1270.94995			
VehDyn_MinOffset_HwDeg_M_f32	-591.51001			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472000014			
VehDyn_SLPHwAuth_Uls_M_f32	0.225999996			
VehDyn_SLPHwPos_HwDeg_M_f32	452.589996			
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392			
k_HiSpdVDAuthority_Uls_f32	1			
k_HwTqMgnThd_HwNm_f32	4.0999999			
k_LoSpdVDAuthority_UIs_f32	0			
k_SrlHwAgVldTiThd_mS_u32	987			
k_SysKinRatio_MtrDegpHwDeg_f32	63.8699989			
k_TravelXCDeadband_Uls_f32	31.1499996			
k_TravelXCHwAuthority_UIs_f32	0.300000012			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728			
target_GetSystemTime_mS_u32_CurrentTime	2269150976			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT				
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime				
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	¹ 2		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-523.549988			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	898.594971			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.28999996			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.579987			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1081.09998			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	452.589996			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.119995	I=		
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	•	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•	
Valables Auto-Outo-UiOrd M. ata-Tiras and and 0.000	2260450076	0000450070		

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VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1270.94995	1270.94995	~
VehDyn_MinOffset_HwDeg_M_f32	557.549988	557.549988	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49676108	1.49676108 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392	1736795392	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-180.329956	-180.330002 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Iqc	0
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	457.200012
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	34.2000008
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	12.1999998
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	88.199969
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	20423
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00093999998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00093999998
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000472000014

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.099998		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.0999985		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.36000002e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000939999998		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1267.05005		
VehDyn_MinOffset_HwDeg_M_f32	-604.950012		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472999993		
VehDyn_SLPHwAuth_Uls_M_f32	0.234999999		
VehDyn_SLPHwPos_HwDeg_M_f32	-1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	5.0999999		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	16445		
k_SysKinRatio_MtrDegpHwDeg_f32	88.4499969		
k_TravelXCDeadband_Uls_f32	34.2900009		
k_TravelXCHwAuthority_Uls_f32	0.243249997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	34		
target_GetSystemTime_mS_u32_CurrentTime	3533260288		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Perl HwTorque HwNm f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hv	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VenDyn_Per1_SensoriessHwPos_Hv target_VenDyn_Per1_SrlHwAgVld_Cnt_lgc	vDeg_loz	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VenDyn_Per1_SrlHwAgVid_Cnt_igc target_VenDyn_Per1_SrlHwAg_HwDeg_f32		
	target VehDyn Per1 TorqueCmdCRF MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_MtrN	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f3		
target_Kte_inst_Ap_venDyn_venDyn_Per1_venicieSpeed_kpn_t32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-531.27002	<i>,</i> ,	
target_VehDyn_Per1_CcwEO1_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	893.026001		
target_VenDyn_Per1_CwE01_HwDeg_132.value target_VenDyn_Per1_HwTorque_HwNm_f32.value	-5.4000001		
0 = 7 = = = =	-5.4000001 324.5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	324.5 448.100006		
target_VehDyn_Per1_ReiHwPos_HwDeg_132.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1000		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_TorqueChidCRF_MthNm_isz.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
	245.309998		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		Francisco d Malara	la de
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	*
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	~

0

0

0

0

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	893.026001	893.026001	~
VehDyn_MinOffset_HwDeg_M_f32	-531.27002	-531.27002	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60182357	-1.60182357 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1248.95996	1248.95996 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.218 (Repeat Count = 1)	
lame	Input Value
etrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	580.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000907999987
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.699997
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	19.5
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25.6000004
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	10412
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3277
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000707999978

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000407999993		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	138.100006		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.4000015		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.PollHyppositt4SV_Hyppos_str.SV_Lilo_f33	1078320779		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1482.09998 7.03999976e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1287.68604		
VehDyn_MinOffset_HwDeg_M_f32	-517.590027		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456999987		
VehDyn_SLPHwAuth_Uls_M_f32	0.0909999982		
VehDyn_SLPHwPos_HwDeg_M_f32	1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	110169728		
k_HiSpdVDAuthority_UIs_f32	0.99000001		
k_HwTqMgnThd_HwNm_f32	9.10000038		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	1385		
k TravelXCDeadband Uls f32	88.8700027 34.2900009		
k TravelXCHwAuthority Uls f32	0.240799993		
target DtrmnElapsedTime mS u32 ElapsedTime	1736795392		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	982.130005		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.6400001 325.5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1482.09998		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	-1462.09996		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	298.690002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	J
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1078320779	1078320779	-
VID 4 10 10 10 114 1 D III D 57140VII D 1 10VIII 600	4.00.0000	4400 00000 + 0 000	4

-1482.09998

-1482.09998

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

-1482.09998 ± 0.009

-1482.09998 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	982.130005	982.130005	✓
VehDyn_MinOffset_HwDeg_M_f32	-360	-360	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.19688082	3.19688082 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	110169728	110169728	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.99000001	0.99000001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.219 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.299988
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.3000031
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.29999995
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.3000002
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.5999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.5999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779

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Name	Input Value					
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998					
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019					
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998					
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988	0.000479999988				
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0					
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1					
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1					
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0					
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985					
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006					
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992					
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985					
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335					
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188					
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918				
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779					
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998					
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.40000032e-005					
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998					
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029					
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1					
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0					
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0					
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0					
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0					
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978					
VehDyn_HiSpdLearnt_Cnt_M_lgc	1					
VehDyn_Initialize_Cnt_M_lgc	1					
VehDyn_LoSpdLearnt_Cnt_M_lgc	1					
VehDyn_MaxOffset_HwDeg_M_f32	1259.25					
VehDyn_MinOffset_HwDeg_M_f32	-631.830017					
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992					
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475000008					
VehDyn_SLPHwAuth_Uls_M_f32	0.252999991					
VehDyn_SLPHwPos_HwDeg_M_f32	0					
VehDyn_SrlHwAgVldTimer_mS_M_u32	2024341760					
k_HiSpdVDAuthority_Uls_f32	0					
k_HwTqMgnThd_HwNm_f32	7.0999999					
k_LoSpdVDAuthority_UIs_f32	1					
k_SrlHwAgVldTiThd_mS_u32	4891					
k_SysKinRatio_MtrDegpHwDeg_f32	32.5					
k_TravelXCDeadband_Uls_f32	40.5699997					
k_TravelXCHwAuthority_UIs_f32	0.267749995					
target_DtrmnElapsedTime_mS_u32_ElapsedTime	55466					
target_GetSystemTime_mS_u32_CurrentTime	3437401088					
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime						
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32					
target Rte Inst Ap VehDyn.VehDyn Perl MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRadg					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorveiCRF_MtrRadp5_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VenDyn_Per1_MotorVelCRF_MitrRadp target_VenDyn_Per1_RelHwPos_HwDeg_f32					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U					
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_Hw					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target VehDyn Per1 SrlHwAgVld Cnt Igc					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target VehDyn Per1 SrlHwAg HwDeg f32					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32					
target VehDyn Per1 CcwEOT HwDeg f32.value	-546.710022					
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	881.888					
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.61999989					
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.600006					
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1210.59998					
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1					
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	10					
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981					
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1					
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.329987					
Name	Actual Value	Expected Value	Result			
VehDyn AllowHiSpdAutoCntr Cnt M lgc	0	0	~			
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088				
,						

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-328.711975	-328.712006	✓
VehDyn_MinOffset_HwDeg_M_f32	-631.830017	-631.830017	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7889938	17.7889957 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2024341760	2024341760	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	10	10 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.220 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000483999989
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrloSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrloSpd_M_str.BolkhyDosEilt4SV_HyDos_str.SV_Lllo_f33	2138628886 -10.3400002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.41999975e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000945999986
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1255.34998
VehDyn_MinOffset_HwDeg_M_f32	-645.27002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475999987
VehDyn_SLPHwAuth_Uls_M_f32	0.261999995
VehDyn_SLPHwPos_HwDeg_M_f32	1456.47998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2056644736
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32 k_TraveIXCDeadband_Uls_f32	52.7000008 43.7099991
k_TravelXCHwAuthority_Uls_f32	0.280000001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	123
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-554.429993
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	876.31897
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.73000002
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.5999985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-10.3400002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	156.479996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.125
Name	Actual Value Expected Value Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 1





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	219286216	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	876.31897	876.31897	~
VehDyn_MinOffset_HwDeg_M_f32	-554.429993	-554.429993	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99947119	-6.99947119 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2056644736	2056644736	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	490.790009	490.790009 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.221 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	497.100006
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	86.099985
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	6.0999999
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	86.099985
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	43128
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	3186
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	274107514
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2345892860
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-6.48000002
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000948000001
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-6.48000002
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000948000001
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	98.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5999985

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
, _ ,	274107514
, =	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
, =	0.00747999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
,	0.000487999991
7 2 111 1 1 1 1 2 2 1 2 1 2 3 1	1
, =	1
, =	0
, =	98.0999985
	156.100006
	3.29999995
	78.0999985
	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4399999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
, =	0.000948000001
,	1
, =	0
, , , , , , , , , , , , , , , , , , , ,	0
, =	0
, _ ,	0
, = = = ===	-401.220001
7 - 1 - 2 - 20	1
, = = = = = = =	1
7 - 1 - 2 - 20	1251.44995
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-658.710022
	6.30000019
	0.00476999994
	0.27099998
	-147.25
	963095040
	0
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	10.3999996
k_TravelXCDeadband_Uls_f32	46.8499985
k_TravelXCHwAuthority_Uls_f32	0.292250007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
0 = 7 = = =	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
	1662097408
V =	target_VehDyn_Per1_CcwEOT_HwDeg_f32
	target_VehDyn_Per1_CwEOT_HwDeg_f32
	target_VehDyn_Per1_HwTorque_HwNm_f32
	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
	target_VehDyn_Per1_RelHwPos_HwDeg_f32
	target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
	target_VenDyn_Per1_TorqueCmdCRF_MtrNm_f32
	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target Rte Inst Ap VehDyn.VehDvn Per1 VehicleSpeedValid Cnt lac	talyet veribyli reli verildespeedvalld ont ido
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -562.150024
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -562.150024
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -562.150024 870.75
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -562.150024 870.75 -5.84000015
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -562.150024 870.75 -5.84000015 -75.5
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -562.150024 870.75 -5.84000015 -75.5 -6.48000002





Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.040009		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	463842816	463842816	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	877.22998	877.22998	•
VehDyn_MinOffset_HwDeg_M_f32	-555.670044	-555.669983	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29443407	6.29443407 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	963095040	963095040	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	•
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-147.25	-147.25 ± 0.1	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.222 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2000008
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.3300018
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.2299995
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0.000750000007 -444.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492000021
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.46000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	-301.309998
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	-301.309996 1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1247.55005
VehDyn_MinOffset HwDeg M f32	-672.150024
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.199998
VehDyn PinTrqSV M str.K Uls f32	0.000478000002
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-154.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	25.4500008
k_TravelXCDeadband_Uls_f32	49.9900017
k_TravelXCHwAuthority_Uls_f32	0.304500014
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Llls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_venDyn_VenDyn_Per1_SensoriessHwPos_HwDeg_f32 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_vehDyn_Per1_SensoriessHwPos_HwDeg_t32 target_vehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_TorqueCritdCKr_MtiNtin_i32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
g.tg.t	-569.869995
target VehDyn Per1 CcwEOT HwDea f32.value	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target VehDyn Per1 CwEOT HwDeg f32.value	865.18103
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	865.18103 -5.94999981





Name	Input Value		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.170013		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-154.25		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75.0699997		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	865.18103	865.18103	~
VehDyn_MinOffset_HwDeg_M_f32	-569.869995	-569.869995	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.189806	15.189806 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-598.420044	-598.419983 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.223 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000951999973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973

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Nome	Innuit Value
Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	341
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.2999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1243.65002
VehDyn_MinOffset_HwDeg_M_f32	-685.590027
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009
VehDyn SLPHwAuth Uls M f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	45.7999992
VehDyn SrlHwAgVldTimer mS M u32	2127166208
k HiSpdVDAuthority Uls f32	1
k HwTqMgnThd HwNm f32	5.44999981
k_nw1qwgffffd_nwNfff_32 k_LoSpdVDAuthority_Uls_f32	5.44999961
k SrlHwAgVIdTiThd mS u32	65
	86.5
k_SysKinRatio_MtrDegpHwDeg_f32	
k_TraveIXCDeadband_UIs_f32	53.1300011
k_TravelXCHwAuthority_UIs_f32	0.31674999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u32_ElapsedTime_mS_u332_El	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF MtrNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-577.590027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	859.612
angot_volibyii_i ori_oweor_itwbeg_loz.value	000.012





Name	Input Value		
target VehDyn Per1 HwTorque HwNm f32.value	6		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.25		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	45.7999992		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9899979		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1146.91003	1146.91003 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-287.298035	-287.298004	✓
VehDyn_MinOffset_HwDeg_M_f32	-685.590027	-685.590027	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9961948	13.9961948 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1348.31006	1348.31006 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.224 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.600006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004 86.0999985
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.700012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn ForceCenterOffset HwDeg M f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1239.75
VehDyn_MinOffset_HwDeg_M_f32	-699.030029
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.587000012
VehDyn_SLPHwPos_HwDeg_M_f32	391.029999
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_UIs_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	63.2999992
k_TravelXCDeadband_Uls_f32	56.2700005
k_TravelXCHwAuthority_UIs_f32	0.328999996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime target Rte Call Ap VehDyn SystemTime October Time and Call Ap VehDyn SystemTime Call Call Ap VehDyn SystemTime Call Call Call Call Call Call Call Cal	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_inst_Ap_venDyn.VenDyn_Peri_SensoriessAutnority_Uis_r32 target_Rte_inst_Ap_vehDyn.VehDyn_Peri_SensoriessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHuPos_HwDeg_f32
target_Rte_inst_Ap_venDyn.VenDyn_Per1_SensonessnwPos_nwDeg_i32 target_Rte_inst_Ap_vehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
goo_moc_np_vonDyn.vonDyn_r or r_onrivvAgvia_ont_igo	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target Rte Inst Ap VehDvn VehDvn Per1 SrlHwAg HwDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorgueCmdCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc





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Name	Input Value		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-585.309998		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	854.04303		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.40999985		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.100006		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	391.029999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.139999		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-1239.75	-1239.75	~
VehDyn_MinOffset_HwDeg_M_f32	874.090027	874.090027	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50234127	1.50234127 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	~
44 \/ D4 \C	0.00000076	0.00000076 + 0.004	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

0.899999976

0

0.899999976 ± 0.004

0 ± 0.1

Test Step 2.225 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 1
VehDyn_AutoOntrbtope_M_str.MtrVel_MtrRadpS_f32	138
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32	3796740682 267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000636000012
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000264000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.599998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	124.699997 6.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.699969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	863.366028 -777.437988
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000421000004
VehDyn SLPHwAuth Uls M f32	0.58999974
VehDyn_SLPHwPos_HwDeg_M_f32	-573.409973
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVIdTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	86.099985 67.2399979
k TravelXCHwAuthority Uls f32	0.136675
target DtrmnElapsedTime mS u32 ElapsedTime	2269150976
target_GetSystemTime_mS_u32_CurrentTime	2659241984
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	1736795392
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_$	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_inst_Ap_venDyn.venDyn_Per1_SensoriessAuthority_Ois_i32 target_Rte_inst_Ap_vehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32	target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32
	J. J
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32





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Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph	_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-818.409973		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1422.08105		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	267.709991		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-573.409973		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.139999		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	~

target_veribyit_i eri_veriideopeed_tpit_i52.valde	100.100000		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1422.08105	1422.08105	✓
VehDyn_MinOffset_HwDeg_M_f32	-818.409973	-818.409973	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79913568	7.79913568 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1600	1600 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.226 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.20000005	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000638000027
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000268000003
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.70000005
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.09998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	868.357971
/ehDyn_MinOffset_HwDeg_M_f32	-770.754028
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000422000012
/ehDyn_SLPHwAuth_Uls_M_f32	0.606999993
/ehDyn_SLPHwPos_HwDeg_M_f32	-563.150024
/ehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
x_HiSpdVDAuthority_Uls_f32	1
·	1.5
	0
c_SrlHwAgVldTiThd_mS_u32	744
C_SysKinRatio_MtrDegpHwDeg_f32	96.3000031
c_TravelXCDeadband_Uls_f32	66.2099991
z_TravelXCHwAuthority_Uls_f32	0.137899995
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
arget_GetSystemTime_mS_u32_CurrentTime	2942063360
arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse	
arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir	
arget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
arget_Rte_Inst_Ap_vehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
arget_Rte_Inst_Ap_vehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
arget_Rte_Inst_Ap_vehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
arget_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
arget_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
arget_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
wigot_tto_mot_hp_vonbyn.venbyn_ren_onniwAgvid_ont_igo	Tangor_vonDyn_r or n_onn rwng vid_ont_igo





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCn	ndCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSp	eed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-812.150024		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1416.51196		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-563.150024		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.75		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1416.51196	1416.51196	Y
VehDyn_MinOffset_HwDeg_M_f32	-812.150024	-812.150024	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20116019	3.20116019 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✓

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

707.049988

1 ± 0.004

707.049988 ± 0.1

Test Step 2.227 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997

 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

2015-09-15, 13:01:18+0530



VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.Str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0 0 10 226.399994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.SitPintrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	21335 34188 274107514 4004004656 -627.179993 0.000852000026 -627.179993 0.000852000026 1 1 0 0 0 10 226.399994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.00063999984 -627.179993 0.00063999984 -627.179993 0.00063999984 -627.179993 0.000272000005 0 0 0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34188 274107514 4004004656 -627.179993 0.000852000026 -627.179993 0.000852000026 1 1 0 0 0 10 226.399994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.00063999984 -627.179993 0.00063999984 -627.179993 0.00063999984 -627.179993 0.000272000005 0 0 0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	274107514 4004004656 -627.179993 0.000852000026 -627.179993 0.000852000026 1 1 0 0 0 10 226.399994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.00063999984 -627.179993 0.00063999984 -627.179993 0.000272000005 0 0 0
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0.000852000026 1 1 0 0 0 10 226.399994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.00063999984 -627.179993 0.000272000005 0 0 0
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 1 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 1 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	1 0 0 0 10 226.399994 8 9 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.00063999984 -627.179993 0.000272000005 0 0 0 0 0 1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 1 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0 0 10 226.399994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 1 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0 10 226.399994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 1 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 2 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 8 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 9 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 5 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 5 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 5 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 6 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 6 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 6 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 7 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 7 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 7 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 7 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 7 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 7 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 7 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 7 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 7 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 8	10 226.39994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.WetSpd_kph_f32	226.39994 8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	8 96.1999969 53970 52282 274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.1999969 53970 52282 274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	53970 52282 274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0 0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	274107514 4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0 1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	4004004656 -627.179993 0.000639999984 -627.179993 0.000272000005 0 0 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	-627.179993 0.000639999984 -627.179993 0.000272000005 0 0 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0.000639999984 -627.179993 0.000272000005 0 0 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 8	-627.179993 0.000272000005 0 0 0 1
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 8	0.000272000005 0 0 0 0 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 8	0 0 0 1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 8	0 0 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 9 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 8	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 9 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 8	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	98.8000031
	88.3000031
, _ ,	10.8000002
, =	52.2999992
	38868
, = , = = = = =	57944
, _ ,	274107514
, = - = = = =	4004004656 -627.179993
	-027.179995 7.56000009e-005
	-627.179993
	0.00852000026
	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc 1	
, =	1
	0
	1
VehDyn_ForceCenterOffset_HwDeg_M_f32 0	0
VehDyn_HiSpdLearnt_Cnt_M_lgc 0	0
VehDyn_Initialize_Cnt_M_lgc 1	1
VehDyn_LoSpdLearnt_Cnt_M_lgc 0	0
VehDyn_MaxOffset_HwDeg_M_f32	873.349976
VehDyn_MinOffset_HwDeg_M_f32 -	-764.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00042299999
	0.624000013
, = = = 0= =	-552.890015
, = 0 = = =	1312298240
_ , ,_ ,_ ,	1
_ 10	9.19999981
_ , ,_ ,	0
_	700
	32.5
	65.1800003
	0.139125004
•	3714197504
	2075080192
	3494315776 1316564736
	target_VehDyn_Per1_CcwEOT_HwDeg_f32
	target_VehDyn_Per1_CveEOT_HwDeg_f32
	target_VehDyn_Per1_HwTorque_HwNm_f32
	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-805.890015		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1410.94299		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.19999981		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-552.890015		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.109985		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	rtoduit
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	
	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc			
VehDyn_AutoCotrl IISad_M_str.Timer1_mS_u32	2075080192	2075080192	
VehDyn_AutoCotrl iSpd_M_str.Timer2_mS_u32	4004004656	4004004656	
VehDyn_AutoCotrl iSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993 0	-627.179993 ± 0.0009	
VehDyn_AutoCatrl IISad_M_str.Filter1Enable_Cnt_lgc			
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656 -627.179993 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-627.179993 -627.179993		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32		-627.179993 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	¥
VehDyn_MaxOffset_HwDeg_M_f32	873.349976	873.349976	V
VehDyn_MinOffset_HwDeg_M_f32	-178.710022	-178.710007	*
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79938316	7.79938316 ± 0.000009	V
VehDyn_SrlHwAgVldTimer_mS_M_u32	1312298240	1312298240	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	V
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-627.179993	-627.179993 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Pte Call VehDyn Per1 CP1 ChecknointReached	1	-

Test Step 2.228 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime

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Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
	86.099985
, = , = , = , = ,	156.100006
	2.0999999
, =	42.0999985
, _	16683
, =	22497
, _ ,	2967684784
, =	1024
, _ ,	-177.479996 0.000853999984
	-177.479996
	0.00853999984
	0
	0
7	1
	1
	44.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36612
,	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
, _ ,	-177.479996
, =	0.000641999999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996
) =	0.000276000006
, =	1
	1
, _ , _ = _ = _ = _ = _ = _ = _ = _ = _	1
, = 1 = = = = = = = = = = = = = = = = =	0
	78.3000031 226.800003
, = , = , = , = ,	2.2999995
,	75.8000031
, =	20423
	31368
	2967684784
	1024
	-177.479996
	6.37999983e-005
	710.950012
	0.000853999984
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1200.25
,	1
7 = = = = = = =	1
, = , = = = = =	1
,	878.34198
	-757.385986
,	-5.4000001
, = . = = = =	0.000423999998
	0.640999973
,	-542.630005 2075000403
, _ ,	2075080192
	0.300000012
	5.25
_ ' '= -	701
_ 0	701 45.099985
k_SysKinRatio_MtrDegpHwDeg_f32	
k TravelYCDeadhand Lile f32	64.1500015
	0.140340000
k_TravelXCHwAuthority_Uls_f32	0.140349999 812314880
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880 1117112832





Nama	Innut Value		
Name target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	Input Value target_VehDyn_Per1_CcwEOT_HwDeg	ı f32	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNn		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_Mt	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthor	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVId_Cnt_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target VehDyn Per1 VehicleSpeedVali		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed Kp		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-799.630005	<u>.</u> 2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1405.37402		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.4000001		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	154.539993		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-177.479996		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-542.630005		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.8999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	126.220001		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	- Rooult
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	_
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-177.479996	-177.479996 ± 0.0009	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-177.479996	-177.479996 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	_
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	·
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	1024	1024	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	710.950012	710.950012 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_Indanze_ont_wi_ge VehDyn_LoSpdLearnt Cnt M lgc	1	1	~
VehDyn MaxOffset HwDeg M f32	878.34198	878.34198	
VehDyn MinOffset HwDeg M f32	-622.150024	-622.150024	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39501476	-5.39501476 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	·
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1377.72998	-1377.72998 ± 0.1	*
a.govalue	.311.12000	1011.12000 2 0.1	

Test Step Call Trace			~	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 ChecknointReached	1	-

Test Step 2.229 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime

2015-09-15, 13:01:18+0530



Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.4000015
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000855999999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.399994
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000644000014
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	731.700012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000280000007
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Ernable_Cnt_lgc	0
	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.300031
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.3000019
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.3000031
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.3999998e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	1600
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_LoSpuLearit_Cit_w_igc /ehDyn_MaxOffset_HwDeg_M_f32	883.333984
/ehDyn_MinOffset_HwDeg_M_f32	-750.702026
/enDyn_MinOffset_HwDeg_M_f32 /ehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000425000006
/ehDyn_SLPHwAuth_Uls_M_f32	0.657999992
/ehDyn_SLPHwPos_HwDeg_M_f32	-532.369995
/ehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
x_HiSpdVDAuthority_Uls_f32	1
c_HwTqMgnThd_HwNm_f32	1.10000002
C_LoSpdVDAuthority_UIs_f32	0
c_SrlHwAgVldTiThd_mS_u32	702
x_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
x_TraveIXCDeadband_Uls_f32	63.1199989
c_TraveIXCHwAuthority_Uls_f32	0.141574994
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416
arget_GetSystemTime_mS_u32_CurrentTime	1736795392





singst. Rec. Call Age, Vehichips, SystemTime, Edit Referent Term, Su. Q. Camertime singst. Rec. Call Age, Vehichy, SystemTime, Edit Confort Term Age, Q. Camertime singst. Rec. Call Age, Vehichy, Sehrolip, Pert. Confort Term Age, Q. Camertime singst. Rec. Call Age, Vehichy, Surphing, Pert. Confort Term Age, Q. Camertime singst. Rec. Call Age, Vehichy, Surphing, Pert. Levi Confort Term Age, Q. Camertime singst. Rec. Call Age, Vehichy, Surphing, Pert. Levi Confort Term Age, Q. Camertime singst. Rec. Call Age, Vehichy, Surphing, Pert. Levi Confort Term Age, Q. Camertime singst. Rec. Call Age, Vehichy, Surphing, Pert. Levi Confort Term Age, Q. Camertime singst. Rec. Call Age, Vehichy, Surphing, Pert. Recherch, Surphing, Sur	Name	Input Value		
Binger, Rein, Bar, Ag, Verbillow, NewFort, Pert CoxeCOT, Hardeng, 122 Binger, Rein, Bar, Ag, Verbillow, NewFort, Pert CoxeCOT, Farbeng, 123 Binger, Rein, Bar, Ag, Verbillow, NewFort, Pert CoxeCOT, Farbeng, 123 Binger, Rein, Bar, Ag, Verbillow, NewFort, Pert CoxeCOT, Pert Co	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	•		
Ising Re, Ireal, Ag, VerliDy, NetDy, Part C, AGCT Finder 12	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432		
Ising Ref. Inst. Ap. VeiDny NeiDny Perf Mort Origon Ministracy 12	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
larger, Rein, Ind. Ap., Verbiny, with print - Bestwork B. Harder, S. 12	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
Integre Rest Ast VerDiny NetPort Selent NetDes 120	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target Reinst Ap VerbDyn VerbDyn Pert SensoriessAnthony Uls 52 target Reinst Ap VerbDyn VerbDyn Pert SensoriessAnthony Net SensoriessAntho	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadp	pS_f32	
singer, Tibo, Inst. Ap. VenDru/VelDru, Perf. Sehnang/NE, 12 singer, Tibo, Inst. Ap. VenDru/VelDru, Perf. Sehnang/NE, Cri. Lip singer, Tibe, Inst. Ap. VenDru/VelDru, Perf. Sehnang/NE, Cri. Lip singer, Tibe, Inst. Ap. VenDru/VelDru, Perf. Sehnang/NE, Cri. Lip singer, Tibe, Inst. Ap. VenDru/VelDru, Perf. Sehnang/NE, Inst. Ap. VenDru/VelDru, Perf. Sehnang/NE, Inst. Ap. VenDru/VelDru, Perf. Tonge-Condition, Cri. Lip singer, Tibe, Inst. Ap. VenDru/VelDru, Perf. VenDru-VelDru, Austorinove VelDru, Austorinove Vel	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32	2	
target_Net_No_NetDnyNetDny_Perf_SetNetApAlVE_CRL_tgs target_Net_Inst_Ap_VehDnyNetDny_Perf_SetNetAp_NetDng_123 target_Net_Inst_Ap_VehDnyNetDny_Perf_SetNetAp_NetDng_123 target_Net_Inst_Ap_VehDnyNetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_NetDny_Perf_Veholospeed_Kph_102 target_NetDny_Perf_Net	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	lls_f32	
Integral File Intel Ag, VehDyn VehDyn Pert Strikkag, HwDeg, 172 Integral File Intel Ag, VehDyn VehDyn Pert Torque/Conf.CER Intel. Ag, VehDyn VehDyn Pert VehicleSpeed Vehl Cel. Ligic Integral File Intel. Ag, VehDyn VehDyn Pert VehicleSpeed Vehl Cel. Ligic Integral File Intel. Ag, VehDyn VehDyn Pert VehicleSpeed Vehl Cel. Ligic Integral File Intel. Ag, VehDyn VehDyn Pert VehicleSpeed Vehl Cel. Ligic Integral File Intel. Ag, VehDyn VehDyn Pert VehicleSpeed Vehl Cel. Ligic Integral File Intel. Ag, VehDyn VehDyn Pert VehicleSpeed Vehl Cel. Ligic Integral File Intel. Ag, Vehl Cel. Ligic Intelligence Vehl	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
Image File Inst. Ag VehDyn VehDyn Pert TorquechmodEP, Minhim 32 Image File Inst. Ag VehDyn VehDyn Pert Vehiclespend Kiph, 32 Image File Inst. Ag VehDyn VehDyn Pert Vehiclespend Kiph, 32 Image File Inst. Ag VehDyn VehDyn Pert Vehiclespend Kiph, 32 Image File Inst. Ag VehDyn VehDyn Pert Vehiclespend Kiph, 32 Image File Inst. Ag VehDyn VehDyn Pert Vehiclespend Kiph, 32 Image File Inst. Ag VehDyn Pert Coeff Time On State Veh Pert Veh Pert Coeff Time On State Veh Pert	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
Integer Inte	target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
Inaged_Nein_Pert_CoeKOT_Hobog_122 value 1798 80505	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32	
Ingred_VerDry_Pert_CACED_THADEG_IS2 value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cn	nt_lgc	
Integred_VehDyn_Perl_Morarus_Hahm, Ta2 value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
Integral_VenDyn_Pert_ MortvOrCRF_MRTAgbS_B.2.value	target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-793.369995		
Integral VehDyn_Perl_NotorviaCRF_MitRadopS_122 value 758 759				
Staget VehDyn_Pert_SirHwAgNd_Cnt_Igo: value 0 0 0 0 0 0 0 0 0				
Isrget_VehDyn_Perl_SrithwAg/Mg_HWDeg_IG2value				
Larget_VehDyn_Per1_SrithviAg_HwDeg_132_value	target_VehDyn_Per1_RelHwPos_HwDeg_f32.value			
Larget_VehDyn_Pert_VehicleSpeedValid_Cnt_lgc_value 0	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value			
Larget_VehDyn_Per1_VehicleSpeed_Xin_Ig.X:value 354.98999	target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-532.369995		
Name	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value			
Name	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value			
VehDyn_AutoChtPisSpd_M_str.Timer1_ms_u32	target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.98999		
VehDyn AutoCntrDelSpd M, str. Timer1 mS u32	Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilitSV_HwDeg_str.SV_Uis_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilitSV_HwDeg_str.SV_Uis_f32 VehDyn_AutoCntrDetSpd_M_str.FiliertEnable_Cnt_lge 1	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.FilterEnable_Ont_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Entable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Entalized_Cnt_lgc 1 1 4290967295 VehDyn_AutoCntrHiSpd_M_str.Filter1EndSpd_Cnt_lgc 1 1 4290967295 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str_Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str_Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str_Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str_Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str_Timer1_mS_u32 1738795392 1736795392 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 4290967295 4290967295 VehDyn_AutoCntrHiSpd_M_str_Filter1_mS_u32 4290967295 4290967295 VehDyn_AutoCntrHiSpd_M_str_Filter1_mS_u32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str_Filter1_mS_u32 0 0 VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str_Filter1_mitalized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str_Filter1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str_Filter1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str_Filter1_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str_Filter1_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str_Filter1_mS_u32	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1_m_s_u32 1736795392 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Filter1_m_s_u32 1736795392 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Filter2_m_s_u32 1736795392 1736795392 1736795392	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4290967295 4290967295 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt3SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFittSV_HwDeg_str.SV_Uls_f32 731,700012 731,700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFittSV_HwDeg_str.SV_Uls_f32 731,700012 731,700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFittSV_HwDeg_str.SV_Uls_f32 714,090027	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrHiSpd_M_str.Rient2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 731,700012 731,700012±0,0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 731,700012 731,700012±0,0009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 731,700012 731,700012±0,0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 731,700012 731,700012±0,0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VenDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1736795392 736795392 VebDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VeDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3V_HwDeg_str.SV_UIs_f32 731.700012 731.700012 ± 0.0009 VebDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 731.700012 731.700012 ± 0.0009 VebDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VebDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VebDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VebDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 VebDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 VebDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 VebDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 VebDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 24290967295 42290967295 <	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str. Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrHiSpd_M_str. RelHwPosFittSV_HwDeg_str.SV_UIs_f32 731,700012 731,700012 ± 0,0009 VehDyn_AutoCntrHiSpd_M_str. RelHwPosFittSV_HwDeg_str.SV_UIs_f32 731,700012 731,700012 ± 0,0009 VehDyn_AutoCntrHiSpd_M_str. Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str. Filter2Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str. Filter1Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2msib_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2msib_Usc_ms_usc_ms_	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_HispdLearnt_Cnt_M_lgc 0	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Ds_U32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Str.SV_UIs_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initializ	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 731,700012 731,700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 714.090027 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 4 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 4 VehDyn_LiSpdLearnt_Cnt_M_lgc 0 0 0 VehDyn_EntMeg_M_f12 1 1 <td>VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32</td> <td>731.700012</td> <td>731.700012 ± 0.0009</td> <td></td>	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -714.090027 -714.090027 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 7.59961939 7.59961939 ± 0.	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -714.090027 -714.090027 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HispdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_Sirl-WagyIdTimer_mS_M_u32 7.59961939 7.59961939 ± 0.000009 <td< td=""><td>VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc</td><td>0</td><td>0</td><td></td></td<>	VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1736795392 1736795392 VehDyn_AutoCntrLoSpd_M_str.Rimer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -714.090027 -714.090027 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HistpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 454802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4290967295 4290967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 -714.090027 -714.090027 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 VehDyn_PinTrqSV_M_str.SV_Uls_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 1 ± 0.004	VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 731.700012 731.700012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -714.090027 -714.090027 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 VehDyn_PinTrqSV_M_str.SV_Uls_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -714.090027 -714.090027 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_HiSpdLearnt_Cnt_M_Igc 0 0 VehDyn_Initialize_Cnt_M_Igc 1 1 VehDyn_LoSpdLearnt_Cnt_M_Igc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 ✓ VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 ✓ VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 1 ± 0.004 ✓				~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 1 ± 0.004		-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 ✓ ✓ VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 ✓ ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 ✓ VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 ✓		0		~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ ✓ VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 ✓ ✓ VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 ✓ VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 ✓				_
VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004		1		~
VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 ✓ VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 ✓				~
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004				~
VehDyn_MaxOffset_HwDeg_M_f32 1399.80505 1399.80505 VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004				
VehDyn_MinOffset_HwDeg_M_f32 -793.369995 -793.369995 VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004	,			~
VehDyn_PinTrqSV_M_str.SV_UIs_f32 7.59961939 7.59961939 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004				~
VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004				~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓				~
				~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value -868.299988 -868.299988 ± 0.1 ✓				~
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-868.299988	-868.299988 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~



Test Step 2.230 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.099999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	1 100.199997
	196
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5,4000001
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	75
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-968.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000645999971
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000284000009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCotrl_oSpd_M_str.Timer2_mS_u32	1078320779 -968.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	6.42000014e-005
VehDyn AutoCntrLoSpd M str.ReiHwPosFilt1SV_HwDeg_str.K_Uis_r32 VehDyn AutoCntrLoSpd M str.ReiHwPosFilt2SV HwDeg str.SV Uls f32	6.42000014e-005 110.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000858000014
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1000.12
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	888.325989
VehDyn_MinOffset_HwDeg_M_f32	-744.018005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426000013
VehDyn_SLPHwAuth_Uls_M_f32	0.675000012
VehDyn_SLPHwPos_HwDeg_M_f32	-522.109985
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVIdTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	96.5





Name			
	Input Value		
k_TravelXCDeadband_Uls_f32	62.0900002		
k_TravelXCHwAuthority_Uls_f32	0.142800003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000		
target_GetSystemTime_mS_u32_CurrentTime	3437401088		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	D0g_102	
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target VehDyn Per1 SrlHwAg HwDeg f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-787.109985		
target VehDyn Per1 CwEOT HwDeg f32.value	1394.23596		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-968.400024		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-522.109985		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.359985		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024 -968.400024	-968.400024 ± 0.0009 -968.400024 ± 0.0009	•
			•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024 0 0	-968.400024 ± 0.0009 0	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-968.400024 0 0 0	-968.400024 ± 0.0009 0 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-968.400024 0 0 0	-968.400024 ± 0.0009 0 0 0 1	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	-968.400024 0 0 0 1 3382212733	-968.400024 ± 0.0009 0 0 0 1 3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-968.400024 0 0 0 1 3382212733 1078320779	-968.400024 ± 0.0009 0 0 0 1 3382212733 1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024 0 0 0 1 3382212733 1078320779 -968.400024	-968.400024 ± 0.0009 0 0 0 1 3382212733 1078320779 -968.400024 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024 0 0 0 1 3382212733 1078320779 -968.400024 -968.400024	-968.400024 ± 0.0009 0 0 1 3382212733 1078320779 -968.400024 ± 0.0009 -968.400024 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-968.400024 0 0 0 1 3382212733 1078320779 -968.400024 -968.400024 0	-968.400024 ± 0.0009 0 0 1 3382212733 1078320779 -968.400024 ± 0.0009 0	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-968.400024 0 0 0 1 3382212733 1078320779 -968.400024 -968.400024 0 1	-968.400024 ± 0.0009 0 0 1 3382212733 1078320779 -968.400024 ± 0.0009 -968.400024 ± 0.0009	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-968.400024 0 0 1 3382212733 1078320779 -968.400024 -968.400024 0 1 1 0 3382212733 1078320779 -968.400024 110.5 1 0 0	-968.400024 ± 0.0009 0 0 1 3382212733 1078320779 -968.400024 ± 0.0009 0 1 1 0 3382212733 1078320779 -968.400024 ± 0.0009 110.5 ± 0.0009 1 0 0	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-968.400024 0 0 0 1 3382212733 1078320779 -968.400024 -968.400024 0 1 1 0 3382212733 1078320779 -968.400024 110.5 1 0 0 0 1 1 1 1 1 1 1 1394.23596 -787.109985	-968.400024 ± 0.0009 0 0 1 3382212733 1078320779 -968.400024 ± 0.0009 0 1 1 0 0 3382212733 1078320779 -968.400024 ± 0.0009 1 1 0 0 1 1 0 0 1 1 1 1 1 1394.23596 -787.109985	
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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.231 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206.199997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000647999987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00028800001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.300003
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.300003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.44000029e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.56006
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	893.317993
/ehDyn_MinOffset_HwDeg_M_f32	-737.333984
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426999992
/ehDyn_SLPHwAuth_Uls_M_f32	0.691999972
VehDyn_SLPHwPos_HwDeg_M_f32	-511.850006
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.5
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uis_f32	0.5





Name	Input Value		
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985		
k_TravelXCDeadband_Uls_f32	61.0600014		
k_TravelXCHwAuthority_UIs_f32	0.144024998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	662694400		
target_GetSystemTime_mS_u32_CurrentTime	3494315776		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-780.849976		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1388.66699		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.98999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	49.4199982		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-511.850006		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	4.9000001		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.769989		
		Evaceted Value	Result
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	-
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0 1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1	0 1 1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0 1 1 1	0 1 1 1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1 1 1 0	0 1 1 1 0	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1 1 1 0 1	0 1 1 1 0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 1 1 0 1	0 1 1 1 0 1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 1 1 0 1 0 893.317993	0 1 1 1 0 1 0 893.317993	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 1 1 0 1 0 893.317993 -737.333984	0 1 1 1 0 1 0 893.317993 -737.333984	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 1 1 1 0 1 0 893.317993 -737.333984 -1.59626269	0 1 1 1 0 1 0 893.317993 -737.333984 -1.59626257 ± 0.000009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	0 1 1 1 0 1 0 893.317993 -737.333984 -1.59626269 824746752	0 1 1 1 0 1 0 893.317993 -737.333984 -1.59626257 ± 0.000009 824746752	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 1 1 1 0 1 0 893.317993 -737.333984 -1.59626269	0 1 1 1 0 1 0 893.317993 -737.333984 -1.59626257 ± 0.000009	



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

James	Innuit Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.5
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00091599999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.400002
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206.100006
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000423999998
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.400002
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.3000019
	4.5000019 32.4000015
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.4000015 20423
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer2 Thresh_ms_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
/ehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-2840		
VehDyn_MinOffset_HwDeg_M_f32	-544.469971		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000460999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.127000004		
VehDyn_SLPHwPos_HwDeg_M_f32	339.730011		
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728 0		
k_HiSpdVDAuthority_UIs_f32	0.00120000006		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_f32	1		
k SrlHwAgVldTiThd mS u32	1000		
k SysKinRatio MtrDegpHwDeg f32	96.5		
k TravelXCDeadband Uls f32	40.5699997		
k TravelXCHwAuthority Uls f32	0.245700002		
target DtrmnElapsedTime mS u32 ElapsedTime	2728878080		
target_GetSystemTime_mS_u32_CurrentTime	2430672128		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	2127166208		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	lls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	959.854004		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.07999992 88.0999985		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1397.33997		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	339.730011		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-1.8999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target VehDyn Per1 VehicleSpeed Kph f32.value	52.8800011		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	-100411
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2430672128	2430672128	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1397.33997	-1397.33997 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
		2700420009	1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			•
	-1397.33997	-1397.33997 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997 -1397.33997	-1397.33997 ± 0.009 -1397.33997 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1397.33997 -1397.33997 1 1	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1397.33997 -1397.33997 1 1 1	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	-1397.33997 -1397.33997 1 1	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	-1397.33997 -1397.33997 1 1 1 0 2553156835 2760420809	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997 -1397.33997 1 1 1 1 0 2553156835 2760420809 -1397.33997	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32	-1397.33997 -1397.33997 1 1 1 1 0 2553156835 2760420809 -1397.33997	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1397.33997 -1397.33997 1 1 1 0 2553156835 2760420809 -1397.33997 -1397.33997	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1397.33997 -1397.33997 1 1 1 1 0 2553156835 2760420809 -1397.33997 -1397.33997	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-1397.33997 -1397.33997 1 1 1 1 0 2553156835 2760420809 -1397.33997 -1397.33997	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1397.33997 -1397.33997 1 1 1 1 0 2553156835 2760420809 -1397.33997 -1397.33997 1 0	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	-1397.33997 -1397.33997 1 1 1 0 2553156835 2760420809 -1397.33997 -1397.33997 1 0 0	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1 0 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	-1397.33997 -1397.33997 1 1 1 0 2553156835 2760420809 -1397.33997 -1397.33997 1 0 0	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-1397.33997 -1397.33997 1 1 1 0 2553156835 2760420809 -1397.33997 -1397.33997 1 0 0 1 1	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 0 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	-1397.33997 -1397.33997 1 1 1 0 2553156835 2760420809 -1397.33997 -1397.33997 1 0 0	-1397.33997 ± 0.009 -1397.33997 ± 0.009 1 1 1 0 2553156835 2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 0 1	





Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728	309385728	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.127000004	0.127000004 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1057.60999	-1057.60999 ± 0.1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	•
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.233 (Repeat Count = 1)	
Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.099985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000918000005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216.539993
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000717999996
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427999999
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.5
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	16.3999996
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	2967684784
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-913.679993
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.1399998e-005
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-913.679993
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005
/ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterEnabled_Gnt_ivi_igc	1297.25

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999		
VehDyn_MinOffset_HwDeg_M_f32	-551.190002		
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	-14.8000002 0.000461999996		
VehDyn SLPHwAuth Uls M f32	0.136000007		
VehDyn SLPHwPos HwDeg M f32	349,98999		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984		
k HiSpdVDAuthority Uls f32	0.670000017		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	20045		
k_SysKinRatio_MtrDegpHwDeg_f32	32.5400009		
k_TravelXCDeadband_Uls_f32	42.1399994		
k_TravelXCHwAuthority_Uls_f32	0.246924996		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752		
target_GetSystemTime_mS_u32_CurrentTime	2242866176		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRadg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32	_	
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target VehDyn Per1 SensorlessAuthority U		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target VehDyn Per1 SensorlessHwPos Hw	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-446.350006		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	954.284973		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.19000006		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-913.679993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	349.98999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981 0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	Result
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	,
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-913.679993	-913.679993 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
	0	0	Ž
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32		•	Ž
	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 2242866176	0 2242866176	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 2242866176 2967684784 -913.679993 -913.679993	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0 0	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0 0	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 2242866176 2967684784 -913.679993 -913.679993 0 0 0 1 1 2242866176	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 0 1 2242866176	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 0 1 2242866176 2967684784	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784 -913.679993	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 0 1 2242866176 2967684784 -913.679993 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784 -913.679993 -913.679993	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 0 1 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784 -913.679993 -913.679993 0	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784 -913.679993 -913.679993 0 1	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784 -913.679993 -913.679993 0 1 1	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784 -913.679993 -913.679993 0 1	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784 -913.679993 -913.679993 0 1 1	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 1 0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 2242866176 2967684784 -913.679993 -913.679993 0 0 1 2242866176 2967684784 -913.679993 -913.679993 0 1 1 0 0 0	0 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 2242866176 2967684784 -913.679993 ± 0.0009 -913.679993 ± 0.0009 0 1 1 0 0	

2015-09-15, 13:01:18+0530





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	467.329987	467.329987	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.794982	-14.794982 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTim
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	63.4000015
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	53970
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
, =	1024
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-714.090027
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.700012
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.699997
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.6999998
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	12.6999998
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	13352
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-714.090027
/ehDyn_AutoCntrLoSpd_M_str.ReinwPosFitt1SV_nwDeg_str.Sv_dis_132 /ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
/ehDyn_AutoCntrLoSpd_M_str.ReinwPosFitt1SV_nwDeg_str.K_Dis_i32 /ehDyn_AutoCntrLoSpd_M_str.ReinwPosFitt2SV_HwDeg_str.SV_Uls_f32	-714.090027
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32	0.000961999991
/ehDyn_AutoCntrLoSpd_M_str.ReinwPosFitt25v_nwbeg_str.K_bis_isz /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lqc	1
	1.1

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc	0		
VehDyn LoSpdLearnt Cnt M Igc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1172.87		
VehDyn MinOffset HwDeg M f32	-363.029999		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993		
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991		
VehDyn_SrlHwAgVldTimer_mS_M_u32	622666624		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	2.0999999 0.899999976		
k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32	951		
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997		
k TravelXCDeadband Uls f32	3.38000011		
k TravelXCHwAuthority Uls f32	0.212624997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target_GetSystemTime_mS_u32_CurrentTime	2269150976		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	1050692864		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_u32$	2942063360		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target VehDyn Per1 SrlHwAgVld Cnt Igc	7Deg_132	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027 1		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0		
	l'	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 1 2269150976	0 1 2269150976	7
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 1 2269150976 54822322	0 1 2269150976 54822322	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 1 2269150976	0 1 2269150976	*
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 1 2269150976 54822322 -714.090027	0 1 2269150976 54822322 -714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 2269150976 54822322 -714.090027 -714.090027	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 2269150976 54822322 -714.090027 -714.090027 0 1	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 2269150976 54822322 -714.090027 -714.090027 0 1	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 1 0 2269150976	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 1 1 0 2269150976	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 0 2269150976 54822322	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 1 1 0 2269150976 54822322	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 0 2269150976 54822322 -714.090027	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 1 0 2269150976 54822322 -714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 1 0 2269150976 54822322 -714.090027	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 1 0 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 0 2269150976 54822322 -714.090027 -714.090027 0	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 1 0 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 1 0 2269150976 54822322 -714.090027	0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 1 0 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009	





Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	✓
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157	1.49870157 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	622666624	622666624	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
rmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
e Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
e Inst Ap VehDyn	target Rte Inst Ap VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
hDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	554.099976
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	84.0999985
hDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	4.0999999
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
hDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	2291
hDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7778
hDyn AutoCntrDetSpd M str.Timer1 mS u32	4004004656
ehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32	4211268631
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	110.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000958000019
hDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	110.5
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000958000019
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	456
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	35.7999992
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	75.4499969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
	7778
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4004004656
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.799988
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5

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VehDyn_Per1



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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1397.16003		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1177.86206		
VehDyn_MinOffset_HwDeg_M_f32	-369.75		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000482000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.256999999		
VehDyn_SLPHwPos_HwDeg_M_f32	72.9700012		
VehDyn_SrlHwAgVldTimer_mS_M_u32	745122048		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	3.099999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	4856		
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992		
k_TravelXCDeadband_Uls_f32	2.3499999		
k_TravelXCHwAuthority_UIs_f32	0.213850006		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008		
target_GetSystemTime_mS_u32_CurrentTime	3533260288		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	4	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	WDeg_132	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAg.HwDog. f33	,	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrI		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_C		
	target_VehDyn_Per1_VehicleSpeed_Kph_f3	02	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-424.029999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1071.23401 -1.22000003		
target_VehDyn_Per1_HwTorque_HwNm_f32.value			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target VehDyn Per1 RelHwPos HwDeg f32.value	-835.109985 110.5		
· - ·	110.5		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1200.09998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001	Francisco d'Al I	-
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	•
VehDvn_AutoCntrHiSnd_M_str_Filter1Enable_Cnt_lac	0	0	•

0

1

0

4004004656

4211268631

110.5

110.5

VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc

VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc

 $VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc$

VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 0

1

0

0

4004004656

4211268631

110.5 ± 0.0009

110.5 ± 0.0009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	960.734009	960.734009	~
VehDyn_MinOffset_HwDeg_M_f32	-369.75	-369.75	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39797401	-5.39797354 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	745122048	745122048	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1200.09998	-1200.09998 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

	Invest Value
ame	Input Value
rmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
re_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.199969
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000959999976
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.799988
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.900024
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.9000015
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	18715
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.56000009e-005

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

2015-09-15, 13:01:18+0530

Input Value

-1014.73999



VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn ForceCenterOffset HwDeg M f32	1497.06995		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1182.854		
VehDyn_MinOffset_HwDeg_M_f32	-376.470001		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483000011		
VehDyn_SLPHwAuth_Uls_M_f32	0.238000005		
VehDyn_SLPHwPos_HwDeg_M_f32	83.2300034		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1480487040		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	4.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	90		
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985		
k_TravelXCDeadband_Uls_f32	1.32000005		
k_TraveIXCHwAuthority_UIs_f32	0.215075001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624		
target_GetSystemTime_mS_u32_CurrentTime	812314880		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_CatSystemTime_mS_u32_CurrentTime			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1736795392		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-417.769989	_	
	1065.66504		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.33000004		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.440002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	0		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.410004		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	
		-1014.73999 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	V
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
Vola Divis Auto Control LiCord M. ata Timorat. mC 1122			✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	812314880	812314880	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	812314880 2160073393	812314880 2160073393	~
			V
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	· ·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2160073393 -1014.73999 -1014.73999	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	2160073393 -1014.73999 -1014.73999 0	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	2160073393 -1014.73999 -1014.73999 0	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 0	· ·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	2160073393 -1014.73999 -1014.73999 0 0	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 0 0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	2160073393 -1014.73999 -1014.73999 0 0 1	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393 -1014.73999 -1014.73999 0 0 1 1 1 812314880	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 0 0 1 1 1 812314880	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393 -1014.73999 -1014.73999 0 0 1 1 1 812314880 2160073393	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 0 1 1 1 812314880 2160073393	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393 -1014.73999 -1014.73999 0 0 1 1 1 812314880	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 0.009 0 0 1 1 1 812314880	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1065.66504	1065.66504	•
VehDyn_MinOffset_HwDeg_M_f32	-417.769989	-417.769989	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59575272	7.59575272 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1480487040	1480487040	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.237 (Repeat Count = 1)	Input Value
rmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
e Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
e Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
e_lost_Ap_venbyn_system=ime_detsystem=ime_ins_usz(current=ime) e_lnst_Ap_venbyn_	
e_mst_Ap_venDyn hDyn AllowHiSpdAutoCntr Cnt M lgc	target_Rte_Inst_Ap_VehDyn
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	200.300003
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
	14.300002
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	63,2999992
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
ehDyn AutoCntrHiSpd M str.Timer2 mS u32	54822322
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-284.299988
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000761999981
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000515999971
ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1
ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	412.5
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	106.5
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
shbyn_Autochtreophu_w_str. filler i ffilesti_ffio_u fo	14442

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VehDyn_Per1



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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn ForceCenterEnabled Cnt M Igc	0		
VehDyn ForceCenterOffset HwDeg M f32	1596.97998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn Initialize Cnt M Igc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1187.84595		
VehDyn_MinOffset_HwDeg_M_f32	-383.190002		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.218999997		
VehDyn_SLPHwPos_HwDeg_M_f32	93.4899979		
VehDyn_SrlHwAgVldTimer_mS_M_u32	307663360		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	5.0999999		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	70		
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008		
k_TravelXCDeadband_Uls_f32	2.8900001		
k_TraveIXCHwAuthority_UIs_f32	0.216299996		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312 3437401088		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	9	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-411.51001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1060.09595		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.44000006		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-284.299988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1000.25		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230	1=	1
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	•
VehDyn_AutoCotrDetSpd_M_str.Timer2_mS_u32	54822322	54822322 -284.299988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988 -284.299988	-284.299988 ± 0.0009 -284.299988 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	-264.299988	-264.299966 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Ehable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Ehable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrBetSpd_W_str.Timer1_mS_u32	1024	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
Validation Auto-Oatel 100-d. M. etc Eilte-Oleiticlie d. Oat. Inc.		0	

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VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1060.09595	1060.09595	~
VehDyn_MinOffset_HwDeg_M_f32	-411.51001	-411.51001	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49854183	1.49854183 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	307663360	307663360	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.218999997	0.218999997 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-190.809998	-190.809998 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	✓

lame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	talget_Rte_ilist_Ap_veribyii
ehDyn_AllownispuAutoCntr_cnt_M_gc	457.100006
ehDyn_AutoCntrDetSpd_M_str.Wildver_MitrAdups_132	34.099985
, = , = , = , = , = ,	12.1000004
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	88,099985
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	20423
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000964000006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.7999992
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6000004
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.599998
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.51999978e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801		
VehDyn_MinOffset_HwDeg_M_f32	-389.910004		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000484999997		
VehDyn_SLPHwAuth_Uls_M_f32	0.200000003 103.75		
VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	103.75		
k_HiSpdVDAuthority_Uls_f32	1		
k HwTgMgnThd HwNm f32	6.0999999		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031		
k_TravelXCDeadband_Uls_f32	4.46000004		
k_TravelXCHwAuthority_Uls_f32	0.217525005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296		
target_GetSystemTime_mS_u32_CurrentTime	3494315776		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3:	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-405.25 1054.52698		
target VehDyn Per1 HwTorque HwNm f32.value	-1.54999995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	987.5		
target VehDyn Per1 RelHwPos HwDeg f32.value	1259.78003		
target VehDyn Per1 SrlHwAqVld Cnt Igc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.641006		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
. o j, tatoona batopa_in_dan inter initiaanzea_onit_ige		0	
VehDyn_AutoCntrDetSpd_M_str_Filter2Initialized_Cnt_loc	0		•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDvn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 3494315776		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 3494315776 1024	3494315776 1024	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3494315776 1024	3494315776 1024	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3494315776 1024 1259.78003	3494315776 1024 1259.78003 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3494315776 1024 1259.78003 1259.78003	3494315776 1024 1259.78003 ± 0.009 1259.78003 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	3494315776 1024 1259.78003 1259.78003 0	3494315776 1024 1259.78003 ± 0.009 1259.78003 ± 0.009 0	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801	-1192.83801	~
VehDyn_MinOffset_HwDeg_M_f32	-389.910004	-389.910004	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000253	-1.60000253 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1095910784	1095910784	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-37.4699707	-37.4700012 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.239 (Repeat Count = 1)	I4 V-I
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.199969
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.2000008
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000661999977
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.8000031
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000248700002
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	267.709991
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791999977
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	86.6999969
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	18.2999992

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VehDyn_Per1



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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.70000005		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.3000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.73999995e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000661999977		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999 1		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	399.109985		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-1399.05005		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257000007		
VehDyn SLPHwAuth Uls M f32	0.897000015		
VehDyn SLPHwPos HwDeg M f32	-1527.58997		
VehDyn SrlHwAgVldTimer mS M u32	463842816		
k HiSpdVDAuthority Uls f32	0.123000003		
k HwTqMgnThd HwNm f32	0		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	3229		
k SysKinRatio MtrDegpHwDeg f32	96.3000031		
k TravelXCDeadband Uls f32	9.89000034		
k_TravelXCHwAuthority_Uls_f32	0.0227499995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344		
target_GetSystemTime_mS_u32_CurrentTime	463842816		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	dTi 2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir	ne 463842816		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1400.58997		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	440.682007		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.570007		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	267.709991		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1527.58997		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.0400009		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	,
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	463842816	463842816	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	267.709991	267.709991 ± 0.0009	

267.709991

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

267.709991 ± 0.0009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	172.972015	172.972	~
VehDyn_MinOffset_HwDeg_M_f32	-1399.05005	-1399.05005	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7947874	-14.7947874 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816	463842816	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.123000003	0.123000003 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.240 (Repeat Count = 1)	· ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	75.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000289399992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1

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VehDyn_Per1



- VenByn_r err			(
Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.5		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.8000031		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.8000031		
VehDyn_AutoCotrl_oSpd_M_str.Timer1Thresh_mS_u16	21335		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	34188 2553156835		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.78000007e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	404.10199		
VehDyn_MinOffset_HwDeg_M_f32	-1392.36597		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999985		
VehDyn_SLPHwAuth_Uls_M_f32	0.882000029		
VehDyn_SLPHwPos_HwDeg_M_f32	-1517.32996		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1463935616		
k_HiSpdVDAuthority_Uls_f32	0.637000024		
k_HwTqMgnThd_HwNm_f32	0		
k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32	987		
k_SysKinRatio_MtrDegpHwDeg_f32	32.5		
k TravelXCDeadband Uls f32	11.3299999		
k_TravelXCHwAuthority_Uls_f32	0.0239749998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504		
target_GetSystemTime_mS_u32_CurrentTime	1759885568		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	1Ti 824746752		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_CurrentTim$	ne 1759885568		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtr	· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthori target_VehDyn_Per1_SensorlessHwPos		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target VehDyn Per1 SrlHwAg HwDeg		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_I		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpeedValid		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kpl		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1394.32996	_	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	451.588989		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.30000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.455994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1517.32996		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 25 9900004		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	35.8899994	Eypocted Value	
Name VohDun AllowHiSedAutoCotr Cot M Ico	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	2553156835	1 2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835 3796740682	3796740682	
VehDyn_AutoCntrDetSpd_M_str.1imer2_ms_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3796740682	3796740682	

3796740682

3796740682

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	451.588989	451.588989	~
VehDyn_MinOffset_HwDeg_M_f32	-1394.32996	-1394.32996	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.79356	17.79356 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1463935616	1463935616	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	607.720032	607.719971 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.241 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1.
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	98.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000666000007
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000666000007
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2999992
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000330100011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000796000008

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VehDyn_Per1



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Name Veh Dun AutoCatel liSad M. etc Filterd Fachle Cat. Inc.	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.79999995		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.82000001e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000666000007		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	1 409.093994		
VehDyn MinOffset HwDeg M f32	-1385.68201		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000258999993		
VehDyn_SLPHwAuth_Uls_M_f32	0.866999984		
VehDyn_SLPHwPos_HwDeg_M_f32	-1507.06995		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408		
k_HiSpdVDAuthority_Uls_f32	0.278719991		
k_HwTqMgnThd_HwNm_f32	5.4000001		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	16445		
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	12.7700005 0.0252		
target DtrmnElapsedTime mS u32 ElapsedTime	4243378688		
target GetSystemTime mS u32 CurrentTime	3941357312		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	/Deg_t32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	Im f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1388.06995		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	462.496002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.0999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.45801		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1507.06995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0 36.4199982		
		Expected Value	Barri
Name VehDyn AllowHiSpdAutoCntr Cnt M lgc	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	
VehDvn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	

0

0

0

0

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	462.496002	462.496002	~
VehDyn_MinOffset_HwDeg_M_f32	-1388.06995	-1388.06995	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00006962	-7.00006962 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	173.679993	173.679993 ± 0.1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	106.199997
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	10.1000004
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	54.2000008
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	3277
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	383750110
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000951999973
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	341
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022

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VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.0999985 136.100006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.29999995		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.099985		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	1243.65002		
VehDyn MinOffset HwDeg M f32	-685.590027		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009		
VehDyn_SLPHwAuth_Uls_M_f32	1		
VehDyn SLPHwPos HwDeg M f32	45.7999992		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	0.0500000007		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	86.5		
k_TravelXCDeadband_Uls_f32	53.1300011		
k_TravelXCHwAuthority_Uls_f32	0.31674999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832		
target_GetSystemTime_mS_u32_CurrentTime	1662097408		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	<u></u>	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-577.590027		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	859.612		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.25		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	45.7999992		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9899979	I=	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	

1146.91003

VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

1146.91003 ± 0.009





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-287.298035	-287.298004	✓
VehDyn_MinOffset_HwDeg_M_f32	-685.590027	-685.590027	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9961948	13.9961948 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1348.31006	1348.31006 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTim
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.9000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.9000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.9000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.9000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000668000022
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000668000022
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946

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VehDyn_Per1



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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.0003708		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000798000023		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985		
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	86.1999969		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.85999995e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996		
VehDyn_AutoCntrl.oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000668000022		
VehDyn_AutoCotrl oSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCotrl_oSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	1		
VehDyn LoSpdLearnt Cnt M Igc	0		
VehDyn_MaxOffset_HwDeg_M_f32	414.085999		
VehDyn_MinOffset_HwDeg_M_f32	-1378.99805		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000260000001		
VehDyn_SLPHwAuth_Uls_M_f32	0.851999998		
VehDyn_SLPHwPos_HwDeg_M_f32	-1496.81006		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864		
k_HiSpdVDAuthority_Uls_f32	0.277799994		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	0		
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	41.5		
k TravelXCHwAuthority Uls f32	0.0264250003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
target GetSystemTime mS u32 CurrentTime	3304439296		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_t	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	04	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-1381.81006 473.403015		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.85000038		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-177.479996		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1496.81006		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.8800011		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	•
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631	4211268631	

4211268631

4211268631





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	414.085999	414.085999	✓
VehDyn_MinOffset_HwDeg_M_f32	-1204.33008	-1204.32996	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30071831	6.30071831 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	523.470032	523.469971 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.244 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.7999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.200008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCotrl oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.90000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	0.000669999979
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	419.078003
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998 0.000261000008
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.837000012
VehDyn_SLPHwAuth_Uls_M_f32	-1486.55005
VehDyn_StPHwPos_HwDeg_M_f32	3039943680
VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32	0.272780001
k HwTqMgnThd HwNm f32	3.099999
k LoSpdVDAuthority UIs f32	1
k_SrlHwAgVIdTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985
k TravelXCDeadband Uls f32	15.6499996
k_TraveIXCHwAuthority_Uls_f32	0.0276500005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
target GetSystemTime mS u32 CurrentTime	2167769344
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_Diffinit_lapsetTime_mS_u32_CurrentTime	
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f32
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm f32
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority Uls f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target VehDyn Per1 SensorlessHwPos HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_vehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.30998
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.199997
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1486.55005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009





Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	·
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-247.390015	-247.389999	✓
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396	-1372.31396	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1936579	15.1936579 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1332.73999	1332.73999 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.245 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000671999995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000671999995
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.099998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452200009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000801999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.94000001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000671999995
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn ForceCenterCriset HwDeg M f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	424.070007
VehDyn_MinOffset_HwDeg_M_f32	-1365.63
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261999987
VehDyn_SLPHwAuth_Uls_M_f32	0.822000027
VehDyn_SLPHwPos_HwDeg_M_f32	-1476.29004
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	500
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031
k TravelXCDeadband Uls f32	17.0900002
k_TravelXCHwAuthority_Uls_f32	0.0288750008
target DtrmnElapsedTime mS u32 ElapsedTime	1316564736
target GetSystemTime mS u32 CurrentTime	3714197504
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg_r32
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1369.29004
	495.21701
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	5.5
	0.0
	-759.299988
target_VehDyn_Per1_HwTorque_HwNm_f32.value	
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.299988
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-759.299988 -968.400024
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVid_Cnt_igc.value	-759.299988 -968.400024 0





Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.140015		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504	3714197504	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	495.21701	495.21701	
VehDyn_MinOffset_HwDeg_M_f32	-1369.29004	-1369.29004	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9977865	13.9977865 ± 0.00009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.822000027	0.822000027 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.246 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	34188 2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000636000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000264000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.599998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.6999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCotrl oSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	267.709991 7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.ReinwPosFitt1SV_hwDeg_str.N_uis_i32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFitt2SV_hwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600 1
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	863.366028
VehDyn_MinOffset_HwDeg_M_f32	-777.437988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000421000004
VehDyn_SLPHwAuth_Uls_M_f32	0.589999974
VehDyn_SLPHwPos_HwDeg_M_f32	-573.409973
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_UIs_f32 k_HwTqMqnThd_HwNm_f32	0
k LoSpdVDAuthority Uls f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCDeadband_Uls_f32	67.2399979
k_TravelXCHwAuthority_Uls_f32	0.136675
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	1050692864 target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_vehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
0	_ v = _ v = v = v = v = m = m
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-818.409973
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-818.409973 1422.08105
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1422.08105





Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-573.409973		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.139999		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	1422.08105	1422.08105	~
VehDyn_MinOffset_HwDeg_M_f32	-818.409973	-818.409973	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79913568	7.79913568 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.247 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000638000027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	-293.049988 0.000268000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	124.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.7000005
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.09998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	868.357971
VehDyn MinOffset HwDeq M f32	-770.754028
VehDyn PinTrqSV M str.SV Uls f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000422000012
VehDyn SLPHwAuth Uls M f32	0.606999993
VehDyn_SLPHwPos_HwDeg_M_f32	-563.150024
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031
k_TravelXCDeadband_Uls_f32	66.2099991
k_TravelXCHwAuthority_Uls_f32	0.137899995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target_GetSystemTime_mS_u32_CurrentTime	2942063360
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc
target_Rte_Inst_Ap_venDyn_VenDyn_Per1_SriHwAg_Vid_Cnt_igc target_Rte_Inst_Ap_vehDyn_VehDyn_Per1_SriHwAg_HwDeg_f32	target_venDyn_Per1_SriHwAg_vid_Cnt_igc target_vehDyn_Per1_SriHwAg_HwDeg_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_vehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-812.150024
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1416.51196
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6





Name	Input Value		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-563.150024		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.75		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1416.51196	1416.51196	✓
VehDyn_MinOffset_HwDeg_M_f32	-812.150024	-812.150024	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20116019	3.20116019 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	707.049988	707.049988 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.248 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000852000026
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.399994
VehDyn AutoCntrHiSpd M str.FiltPinTrq HwNm f32	8
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000639999984
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000272000005
	0
VehDyn_AutoCntrlliSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	10.8000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.56000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1
,	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	873.349976
VehDyn_MinOffset_HwDeg_M_f32	-764.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00042299999
VehDyn SLPHwAuth Uls M f32	0.624000013
VehDyn SLPHwPos HwDeg M f32	-552.890015
VehDyn_SrlHwAgVldTimer_mS_M_u32	2554689
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	65.1800003
k TravelXCHwAuthority Uls f32	0.139125004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
govo_mot_rk_vonDyn.vonDyn_r or r_vonioloopeed valid_ont_lgo	wigot sinb file or i_vorino opeca valid_onit_igo





Venuyir_r eri			
Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleS	Speed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-805.890015		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1410.94299		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.19999981		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-552.890015		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.109985		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_Igc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	873.349976	873.349976	~
VehDyn_MinOffset_HwDeg_M_f32	-178.710022	-178.710007	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79938316	7.79938316 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2554689	2554689	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-627.179993	-627.179993 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.249 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000982000027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000982000027
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.8000031
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000782000017
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000555999984
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.78000031e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000982000027
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Iqc	1
7 =	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1237.76599
VehDyn MinOffset HwDeg M f32	-450.390015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000493999978
VehDyn_SLPHwAuth_Uls_M_f32	0.0289999992
VehDyn_SLPHwPos_HwDeg_M_f32	196.089996
VehDyn_SrlHwAgVldTimer_mS_M_u32	123
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_UIs_f32	1
k SrlHwAgVldTiThd mS u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	86.2099991
k_TravelXCDeadband_Uls_f32	18.5900002
k_TravelXCHwAuthority_Uls_f32	0.228550002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
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Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_Hv	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	ed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-376.869995		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1004.40601		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.53999996		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.299988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	411.549988		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9899979		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	•
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2760420809	2760420809	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	•
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	•
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0	0	✓
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0	0	✓
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn HiSpdLearnt Cnt M Igc	1	1	✓
VehDyn Initialize Cnt M Igc	1	1	~
VehDyn LoSpdLearnt Cnt M Igc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-336.894043	-336.894012	✓
VehDyn_MinOffset_HwDeg_M_f32	-450.390015	-450.390015	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9918575	13.9918575 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	✓
target VehDyn Per1 SensorlessAuthority Uls f32.value	1	1 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1542.70007	1542.69995 ± 0.1	✓
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Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 2.250 (Repeat Count = 1)	🗸
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.700012

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Name	Input Value
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	116.699997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.6999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.6999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000984000042
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1134.75
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000984000042
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	2.53999996
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.599998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.65400004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1134.75
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1134.75
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000560000015
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.5999999
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn AutoCntrLoSpd M str.Timer mS u32	2967684784
	-1134.75
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	7.7999973e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt/SV_HwDeg_str.R_0is_i32 VehDyn AutoCntrLoSpd M str.RelHwPosFilt/SV HwDeg str.SV Uls f32	-1134.75
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000984000042
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1242.75806
VehDyn_MinOffset_HwDeg_M_f32	-457.109985
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.8999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00049499986
VehDyn_SLPHwAuth_Uls_M_f32	0.0099999978
VehDyn_SLPHwPos_HwDeg_M_f32	206.350006
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992
k_TravelXCDeadband_Uls_f32	20.1599998
k_TravelXCHwAuthority_UIs_f32	0.229774997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	2167769344
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	3437401088
	54689
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	04000
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime \\ target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 \\$	target_VehDyn_Per1_CcwEOT_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_l	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	lwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd	CRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	ed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-384.589996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	998.836975		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.6500001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1134.75		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	421.809998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87.7699966		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	_
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	0	0	_
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	_
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	_
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0	0	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_MaxOffset_HwDeg_M_f32	998.836975	998.836975	
VehDyn MinOffset HwDeg M f32	-384.589996	-384.589996	
	30 7 .303330		
,	8 89435196	8 89435196 + n ninnin	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89435196 54689	8.89435196 ± 0.000009	
,	8.89435196 54689	8.89435196 ± 0.000009 54689 1 ± 0.004	Š

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.251 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn

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Name	Input Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.700012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.699997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.6999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.6999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000986000057 1362.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000986000057
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120.599998
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	116
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000563999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	13.6000004 10
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.81999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000986000057
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1247.75
VehDyn_MinOffset_HwDeg_M_f32	-463.829987
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000495999993
VehDyn_SLPHwAuth_Uls_M_f32	0.0189999994
VehDyn_SLPHwPos_HwDeg_M_f32	216.610001
VehDyn_SrlHwAgVldTimer_mS_M_u32	7858 0
k_HiSpdVDAuthority_UIs_f32	2.0999999
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	2.0999999
k SrlHwAgVldTiThd mS u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	54.3100014
k TravelXCDeadband Uls f32	21.7299995
k_TravelXCHwAuthority_Uls_f32	0.231000006
target DtrmnElapsedTime mS u32 ElapsedTime	255468
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32
, , ,	

VehDyn_Per1



Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	eg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho	ority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo	os_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt	: Igc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF	_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K		
target VehDyn Per1 CcwEOT HwDeg f32.value	-392.309998		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	993.268005		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.75999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.400024		
target VehDyn Per1 RelHwPos HwDeg f32.value	1362.80005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	432.070007		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-1.79999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	
VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1362.80005	1362.80005 ± 0.009	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1362.80005	1362.80005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1302.80003	1302.80003 ± 0.009	
	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	3714197504	3714197504	_
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32		3174948758	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	*
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	Y
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	993.268005	993.268005	~
VehDyn_MinOffset_HwDeg_M_f32	-392.309998	-392.309998	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8917198	13.8917198 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	7858	7858	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

1364.38

1364.38 ± 0.1

Test Step 2.252 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

2015-09-15, 13:01:18+0530



Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000987999956
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000987999956
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000568000018
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.7000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.7000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.84000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000987999956
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1252.74194
VehDyn_MinOffset_HwDeg_M_f32	-470.549988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000497000001
VehDyn_SLPHwAuth_Uls_M_f32	0.0280000009
VehDyn_SLPHwPos_HwDeg_M_f32	226.869995
VehDyn_SrlHwAgVldTimer_mS_M_u32	1363529728
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	3.099999
k_LoSpdVDAuthority_Uls_f32	1
k SrlHwAgVldTiThd mS u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	86.3099976
	23.2999992
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0.232225001





Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	Ti 463842816		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim	e 333		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	;	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	rNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-400.029999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	987.698975		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.86999989		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.69995		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	442.329987		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9869995		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	-272.000977	-272.001007	~
VehDyn_MinOffset_HwDeg_M_f32	-470.549988	-470.549988	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9916439	13.9916439 ± 0.00009	✓
		13.9916439 ± 0.00009 1363529728	-
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9916439		,

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.253 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	604.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2967684784
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1593.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000989999971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000989999971
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.599998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00057199999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.6999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCotrl_oSpd_M_str.Timer2_mS_u32	2967684784 4503.00002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1593.90002 7.86000019e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1593.90002
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00088999971
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Ehable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	198.240005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1257.73401
VehDyn_MinOffset_HwDeg_M_f32	-477.269989
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000498000009
VehDyn_SLPHwAuth_Uls_M_f32	0.0370000005
VehDyn_SLPHwPos_HwDeg_M_f32	237.130005
VehDyn_SrlHwAgVldTimer_mS_M_u32	1243638656
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	4.099999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	56.2099991





Input Value			
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Actual Value	Expected Value		
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	24.870008 0.233449996 3714197504 4294967295 Ti 1759885568 e 12 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_L target_VehDyn_Per1_SensorlessAuthority_L target_VehDyn_Per1_SriHwAg_Vld_Cnt_lgc target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Ci	24.8700008 0.233449996 3714197504 4294967295 TI 759885568 e 12 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_Mtorque_HwNm_f32 target_VehDyn_Per1_MtorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SrIHwAgVId_Cnt_lgc target_VehDyn_Per1_SrIHwAgVId_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -407.75 982.130005 -2.98000002 1009.29999 -1593.900001 0	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Fest Step 2.254 (Repeat Count = 1)	Input Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.199998
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000991999987
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000991999987
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120.599998
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.099998
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	3174948758
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791999977
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00057600002
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.699997
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
/ehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32	13.6999998
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	10.6999998
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrLoSpd_M_str.Timer2111esh_in3_u10	3174948758
, =	
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600 7.00000034a.005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.8800034e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000991999987
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	1262.72595
ehDyn_MinOffset_HwDeg_M_f32	-483.98999
ehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000499000016
/ehDyn_SLPHwAuth_Uls_M_f32	0.0460000001
/ehDyn_SLPHwPos_HwDeg_M_f32	247.389999
/ehDyn SrlHwAgVldTimer mS M u32	89763
HiSpdVDAuthority_Uls_f32	0
	1
	1





Name	Input Value			
k_SysKinRatio_MtrDegpHwDeg_f32	54.2099991			
k TravelXCDeadband Uls f32	26.4400005			
k TravelXCHwAuthority Uls f32	0.234675005			
target DtrmnElapsedTime mS u32 ElapsedTime	3323480832			
target GetSystemTime mS u32 CurrentTime	555468	555468		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed	1Ti 1662097408			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim	ne 89763			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_	f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori	ty Uls f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target VehDyn Per1 SrlHwAgVld Cnt I			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_	f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_I	MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid	I_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kpl			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-415.470001			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	976.560974			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.08999991			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	339.730011			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	555468	555468	~	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	555468	555468	~	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
			-	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1	1		
			•	
VehDyn_Initialize_Cnt_M_lgc	1	1	•	
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0	1 0	•	
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 0 976.560974	1 0 976.560974	•	
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	1 0 976.560974 -415.470001 13.8915052 89763	1 0 976.560974 -415.470001 13.8915052 ± 0.00009 89763	•	
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	1 0 976.560974 -415.470001 13.8915052	1 0 976.560974 -415.470001 13.8915052 ± 0.00009		



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Innut Value
	Input Value
rmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
e_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
hDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	0
hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.3999962
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.4000015
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000899999985
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	580.5
hDyn AutoCntrHiSpd M str.VehSpd kph f32	126
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37799
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41632
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000391999987
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.299988
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.300003
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.29999995
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
nDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_ForceCenterEnabled_Cnt_M_lgc	0
hDyn ForceCenterOffset HwDeg M f32	-1300.41003
hDyn_HiSpdLearnt_Cnt_M_lgc	1
hDyn Initialize Cnt M Igc	0

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Name	Input Value		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1023.10999		
VehDyn_MinOffset_HwDeg_M_f32	-563.549988		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452999986		
VehDyn_SLPHwAuth_Uls_M_f32	0.846000016		
VehDyn_StPHwPos_HwDeg_M_f32	-245.089996		
VehDyn_SrlHwAgVIdTimer_mS_M_u32	2075080192		
k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32	4.0999999		
k LoSpdVDAuthority Uls f32	1		
k SrlHwAgVldTiThd mS u32	1000		
k SysKinRatio MtrDegpHwDeg f32	32.2999992		
k TravelXCDeadband Uls f32	34.2799988		
k TravelXCHwAuthority Uls f32	0.175874993		
target DtrmnElapsedTime mS u32 ElapsedTime	4077829376		
target_GetSystemTime_mS_u32_CurrentTime	1050692864		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	î O		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-618.090027		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1243.87305		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.400001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.840027 1123.40002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-245.089996		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.980011		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	, 100 di
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1050692864	1050692864	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1123.40002	1123.40002 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✓
	103043020	1000-10020	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4004004656 1123.40002	4004004656 1123.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4004004656 1123.40002 1123.40002	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	4004004656 1123.40002 1123.40002 1	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009	, , , , , , , , , , , , , , , , , , ,
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	4004004656 1123.40002 1123.40002 1	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009 1	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	4004004656 1123.40002 1123.40002 1 0	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009 1 0	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	4004004656 1123.40002 1123.40002 1 0 0	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009 1 0 0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	4004004656 1123.40002 1123.40002 1 0 0	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009 1 0 0 1	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	4004004656 1123.40002 1123.40002 1 0 0 0	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009 1 0 0 1 1	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	4004004656 1123.40002 1123.40002 1 0 0 0 1	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009 1 0 0 1 1 1	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	4004004656 1123.40002 1123.40002 1 0 0 0	4004004656 1123.40002 ± 0.009 1123.40002 ± 0.009 1 0 0 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	*
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.846000016	0.846000016 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	878.310059	878.309998 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	•
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.256 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1.
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1
/ehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn ForceCenterOffset HwDeg M f32	1600

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Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999		
VehDyn_MinOffset_HwDeg_M_f32	2840		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	18.7999992		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.00125584786 1		
VehDyn_SLPHwAuth_UIs_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295		
k_HiSpdVDAuthority_UIs_f32	1		
k HwTgMgnThd HwNm f32	10		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32	100000		
k_SysKinRatio_MtrDegpHwDeg_f32	100		
k_TravelXCDeadband_Uls_f32	100		
k_TravelXCHwAuthority_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_132 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	509_102	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	8.80000019 1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	- Count
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4294967295	4294967295	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 1	1	Ž
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc		1	Ţ
VehDyn AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_igc VehDyn AutoCntrLoSpd M str.Timer1 mS u32	∣1		~
	1 4294967295		✓
	1 4294967295 4294967295	4294967295	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295		\ \ \
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4294967295 4294967295	4294967295 4294967295	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295 4294967295 1600	4294967295 4294967295 1600 ± 0.009	V
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4294967295 4294967295 1600 1600	4294967295 4294967295 1600 ± 0.009 1600 ± 0.009	\ \ \
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	4294967295 4294967295 1600 1600	4294967295 4294967295 1600 ± 0.009 1600 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	4294967295 4294967295 1600 1600 1	4294967295 4294967295 1600 ± 0.009 1600 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReilHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReilHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	4294967295 4294967295 1600 1600 1	4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	4294967295 4294967295 1600 1600 1 1 1 1	4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc	4294967295 4294967295 1600 1600 1 1 1	4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7890587	18.7890587 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295	4294967295	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Fest Step 2.257 (Repeat Count = 1)	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.1999969
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000931999995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.600006
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.2999992
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	7778
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Uis_i32	0.000731999986
· - · ·	1123.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0.000456000009
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.200012
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.300031
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1

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Name	Input Value		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002		
VehDyn_MinOffset_HwDeg_M_f32	-551.190002		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000468999991		
VehDyn SLPHwPos HwDeg M f32	421.809998		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	0		
k SrlHwAgVldTiThd mS u32	70		
k_SysKinRatio_MtrDegpHwDeg_f32	54.7799988		
k_TravelXCDeadband_Uls_f32	45.9799995		
k_TravelXCHwAuthority_Uls_f32	0.255499989		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432		
target_GetSystemTime_mS_u32_CurrentTime	71426560		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	5477		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u30_CurrentTim$	2942063360		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -500.390015	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	915.302002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.96000004		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.099976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target VehDyn Per1 SrlHwAg HwDeg f32.value	421.809998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.049988		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002		
		1123.40002 ± 0.009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1123.40002 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1 1 1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1 1 0	1 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 1 0 71426560	1 1 1 0 71426560	***
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 1 0 71426560 4211268631	1 1 1 0 71426560 4211268631	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 1 0 71426560 4211268631 1123.40002	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 1 0 71426560 4211268631 1123.40002	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 1 0 71426560 4211268631 1123.40002 0	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1 1 0 71426560 4211268631 1123.40002 1123.40002 0	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 1 0 71426560 4211268631 1123.40002 1123.40002 0	1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 1 0 71426560 4211268631 1123.40002 0 0	1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 1 0 71426560 4211268631 1123.40002 10 0 0	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1 1 0 71426560 4211268631 1123.40002 0 0 0 1 71426560 4211268631	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 1 71426560 4211268631	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 1 0 71426560 4211268631 1123.40002 0 0 0 1 71426560 4211268631 1123.40002	1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 1 0 71426560 4211268631 1123.40002 10 0 0 1 71426560 4211268631 1123.40002 1123.40002	1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 1 0 71426560 4211268631 1123.40002 0 0 1 1 71426560 4211268631 1123.40002 1123.40002 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1 1 0 71426560 4211268631 1123.40002 10 0 0 1 71426560 4211268631 1123.40002 1123.40002	1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1 1 0 71426560 4211268631 1123.40002 0 0 1 1 71426560 4211268631 1123.40002 1123.40002 0 1 1 171426500 1 1 123.40002 0 1	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 1123.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1 1 0 71426560 4211268631 1123.40002 1123.40002 0 0 1 1 71426560 4211268631 1123.40002 1123.40002 0 1 1 1	1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 1123.40002 ± 0.009	





Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002	-1282.65002	•
VehDyn_MinOffset_HwDeg_M_f32	-551.190002	-551.190002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39978266	-5.39978266 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	0
,	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600 2.54227400000
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn AutoCntrLoSpd M str.Timer1 mS u32	0
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	0
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006

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Nama	Innut Value		
Name VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	-1600 0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	-2840		
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	2.51327106e-006 0		
VehDyn_SLPHwPos_HwDeg_M_f32	-1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	0		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	0		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	1 0		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	0		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cr		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999	-	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	0 -1600		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600 -1600	-1600 ± 0.009 -1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	
Valoria Automatica de Maria Pallanda Estado de Danta de Carta de C	4000		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600 -1600	-1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	•
			•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1600 0	-1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1600 0 0	-1600 ± 0.009 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1600 0 0 0 0 0	-1600 ± 0.009 0 0 0 0	,
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	-1600 0 0 0 0 0 0	-1600 ± 0.009 0 0 0 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-1600 0 0 0 0 0 0 0 -1600	-1600 ± 0.009 0 0 0 0 0 0 0 -1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	-1600 0 0 0 0 0 0	-1600 ± 0.009 0 0 0 0 0	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✓
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓.
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	700
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255 20
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	100
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	700
'ehDyn AutoCntrLoSpd M str.VehSpd kph f32	255
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	20
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	100
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer2+mesn_ms_u+o	4294967295
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_0is_i32	0.00125584786

2015-09-15, 13:01:18+0530

Input Value





VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786			
	1			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc				
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1			
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1			
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	1			
VehDyn LoSpdLearnt Cnt M Igc	1			
VehDyn MaxOffset HwDeg M f32	1440.10999			
VehDyn_MinOffset_HwDeg_M_f32	2840			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786			
VehDyn_SLPHwAuth_Uls_M_f32	1			
VehDyn_SLPHwPos_HwDeg_M_f32	1600			
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295			
k_HiSpdVDAuthority_Uls_f32	1			
k_HwTqMgnThd_HwNm_f32	10			
k_LoSpdVDAuthority_Uls_f32	1			
k_SrlHwAgVldTiThd_mS_u32	100000			
k_SysKinRatio_MtrDegpHwDeg_f32	100			
k TravelXCDeadband Uls f32	100			
	1			
k_TravelXCHwAuthority_Uls_f32				
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295			
target_GetSystemTime_mS_u32_CurrentTime	4294967295			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	4294967295			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32			
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRad			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32				
		target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		Deg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	Deg_f32		
		Deg_t32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	-		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32	m_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN	m_f32 t_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn	m_f32 t_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f3;	m_f32 t_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360	m_f32 t_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_Mtrorque_HwNm_f32.value	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999	m_f32 t_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999 10 1118	m_f32 t_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999 10 1118 1600	m_f32 t_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrIHwAgVId_Cnt_Igc.value	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999 10 1118 1600	m_f32 t_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrIHwAgVId_Cnt_Igc.value target_VehDyn_Per1_SrIHwAg_HwDeg_f32.value	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cn target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999 10 1118 1600	m_f32 t_lgc		
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_SrIHwAg_HwDeg_f32.value target_VehDyn_Per1_SrIHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999 10 1118 1600 1 1600 8.80000019 1 511 Actual Value 1 4294967295 4294967295 1600 1 1 1 1 1 1 1 1 1 1 1000 1000 100	Expected Value 1 4294967295 4294967295 1600 ± 0.009 1 1 1 4294967295 4294967295 4294967295 600 ± 0.009 1600 ± 0.009	· · · · · · · · · · · · · · · · · · ·	
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CmEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_SrIHwAgVId_Cnt_Igc.value target_VehDyn_Per1_SrIHwAgVId_Cnt_Igc.value target_VehDyn_Per1_SrIHwAg_HwDeg_f32.value target_VehDyn_Per1_SrIHwAg_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_Aut	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Valid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999 10 1118 1600 1 1600 8.80000019 1 511 Actual Value 1 4294967295 4294967295 1600 1600 1 1 1 1 1 1 1 1 1 1000 1 1 1 1	m_f32 tt_lgc 2 Expected Value 1 4294967295 4294967295 1600 ± 0.009 1 1 1 1 4294967295 4294967295 4294967295 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·	
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_Igc V	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cnt target_VehDyn_Per1_VehicleSpeed_Kph_f32 -360 1440.10999 10 1118 1600 1 1600 8.80000019 1 511 Actual Value 1 4294967295 4294967295 1600 1600 1 1 1 1 1 1 1 1 1 14294967295	Expected Value 1 4294967295 4294967295 1600 ± 0.009 1 1 1 1 4294967295 4294967295 4294967295 4000 ± 0.009 1 1 1 1 4294967295 4294967295 1600 ± 0.009 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	***************************************	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-159.890015	-159.889999	~
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7890587	18.7890587 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295	4294967295	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~	
Autocenter_f32	1	Autocenter_f32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~	

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
SetSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_lnst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AilownispuAutoCntt_Cnt_M_gc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.700012
/ehDyn_AutoCntrDetSpd_M_str.WitVel_MitRadpS_t32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.699997
, - , - , - , - , - , - , - , - , - , -	12.6999998
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	85,699969
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	11.11.11.1
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCotrDetSpd_M_str.Timer2Thresh_mS_u16	22497
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000984000042
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000984000042
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.53999996
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.599998
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.65400004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000560000015
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.5999999
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.600006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	2967684784

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.79999973e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1134.75		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000984000042		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1242.75806		
VehDyn_MinOffset_HwDeg_M_f32	-457.109985		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000494999986		
VehDyn_SLPHwAuth_Uls_M_f32	0.00999999978		
VehDyn_SLPHwPos_HwDeg_M_f32	206.350006		
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689		
k HiSpdVDAuthority UIs f32	1		
_ : : : : : : : : : : : : : : : : : : :	1.10000002		
k_HwTqMgnThd_HwNm_f32			
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	70		
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992		
k_TravelXCDeadband_Uls_f32	20.1599998		
k_TravelXCHwAuthority_Uls_f32	0.229774997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	2167769344		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	3437401088		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	54689		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32			
	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-384.589996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	998.836975		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.6500001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target VehDyn Per1 RelHwPos HwDeg f32.value	-1134.75		
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	421.809998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87.7699966		
		l=	l
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	-
			~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
	-	-	

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	998.836975	998.836975	~
VehDyn_MinOffset_HwDeg_M_f32	-384.589996	-384.589996	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89435196	8.89435196 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689	54689	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1033.26001	-1033.26001 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

VehDyn_Per1

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Test Case 3: Path Test

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VehDyn_Per1



Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:
TS 3.1 1057.00 Cycles
TS 3.2 1056.00 Cycles
TS 3.3 1045.00 Cycles
TS 3.3 1045.00 Cycles
TS 3.4 1274.00 Cycles
TS 3.5 1284.00 Cycles
TS 3.6 1270.00 Cycles
TS 3.6 1270.00 Cycles
TS 3.8 1034.00 Cycles
TS 3.9 1050.00 Cycles
TS 3.11 1246.00 Cycles
TS 3.11 1246.00 Cycles
TS 3.12 1052.00 Cycles
TS 3.13 1266.00 Cycles



Description Vector Description:

Vector Description:

Ts 3.1"(AbsHwTorque_HwNin_T_32 < k_HwToMgnThd_HwNin_f32)=

(ElapsedTime_m5_T_u32 × k_Sirl+wAgVdfTThd_m5_u32)=

(VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRLE_FFALSE & (VenDyn_HiSpdLearnt_Cnt_M1_go = FALSE)=TRUE_&& (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = FALSE) & (Deadband_Uis_T_52 × L_TraveRXDeadband_Uis_T_52) | (Deadband_Uis_T_52 × DEADBAND_FRALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = FALSE) & (Deadband_Uis_T_52 × DEADBAND_FRALSE & (Sirl+WagVdfWfV_Cnt_T1_go = TRUE)=FALSE & (VenDyn_HiSpdLearnt_Cnt_M1_go = FALSE) & (Sirl+WagVdfWfV_Cnt_T1_go = TRUE)=FALSE & (VenDyn_HiSpdLearnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_LiSpdLearnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_LiSpdLearnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_HiSpdLearnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_HiSpdLearnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_HiSpdLearnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE)=FALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE)=FAL TS 3.5"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=True && (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32)=True && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE) && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_AllowHiSpdAutoCntr_HiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE && (VehDyn_AllowHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE/FALSE && (VehDyn_Intritialize_Cnt_M_lgc == TRUE)=TRUE/FALSE && (TravelXChwaluth_Uls_T_f32 > D_NOAUTH_ULS_T32 >= TAUE)=TRUE/FALSE && (TravelXChwalut D_NOAUTH_ULS_F32)=FALSE && (TravelXCHwAuth_Uls_T32 > D_NOAUTH_ULS_F32)=FALSE && (SnsrlessHwPos_HwDeg_T_f3)=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.6"(AbSHWTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=False && (ElapsedTime_ms_T_u32 > k_SrlHwAgVIdTiThd_mS_u32)=False && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE && (VehDyn_MinOffset_HwDeg_M_f32)=((CwEOTPosition_HwDeg_T_f32-OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE && ((VehDyn_MinOffset_HwDeg_M_f32)=((CwEOTPosition_HwDeg_T_f32-)=FALSE)=FALSE && ((CwEOTPosition_HwDeg_T_f32))=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE)=FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE/FALSE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE)=TRUE/FALSE && ((VehDyn_HiSpdLearnt_Cnt_M_lgc)=TRUE/FALSE && ((VehDyn_HiSpdLearnt_Cnt_M_lgc)=TRUE/FALSE && ((VehDyn



```
==FALSE | Sef. | (YehDyn AllowHiSpdAutoCnit | Ont. M. | go == TRUE | =TRUE | Set | YehDyn | Institutive | True | True | Set | YehDyn | Institutive | True | True
```

Test Step 3.1 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	-2840		
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992 2.51327106e-006		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0		
VehDyn_SLPHwPos_HwDeg_M_f32	-1600		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	5.25		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	91986		
k SysKinRatio MtrDegpHwDeg f32	1		
k TravelXCDeadband Uls f32	0		
k TravelXCHwAuthority Uls f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	1736795392		
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1353.17004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	0	0	✓





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	360	360	~
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000

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Name VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Hiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPrinty_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	Input Value 4294967295 4294967295 1600 0.00125584786 1600 0.00125584786 1 1 1 700
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	4294967295 1600 0.00125584786 1600 0.00125584786 1 1 1 700
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	1600 0.00125584786 1600 0.00125584786 1 1 1 1 700
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0.00125584786 1600 0.00125584786 1 1 1 1 700
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	1600 0.00125584786 1 1 1 1 700 255
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0.00125584786 1 1 1 1 1 700 255
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	1 1 1 1 700 255
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	1 1 1 700 255
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	1 1 700 255
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	1 700 255
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	700 255
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20
	100
	60000
, =	60000
VehDyn_AutoCotrl_oSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCotrl_oSpd_M_str.Timer2_mS_u32	4294967295 1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1600
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV_HwDeg_str.K Uls f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt. Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	12 100
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	100
k_TraveIXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1342.91003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019 1
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	511
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value Expected Value Result





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-159.890015	-159.889999	✓
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7890587	18.7890587 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.7999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.8000002
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000561999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	44.0200005 166.119995
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.01999998
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	12.1199999
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.98000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	-1400.31995 1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	678.661987
VehDyn_MinOffset_HwDeg_M_f32	-1024.74597
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.199998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000384000014
VehDyn_SLPHwAuth_Uls_M_f32	0.057
VehDyn_SLPHwPos_HwDeg_M_f32	-953.030029
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0.870000005
k_SrlHwAgVIdTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	90.5299988 0.0913499966
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4077829376
target GetSystemTime mS u32 CurrentTime	1117112832
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	l · · · · · · · · · · · · · · · · · · ·
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1050.03003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1051.474
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.100006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-833.309998
target VehDyn Per1 SrlHwAgVld Cnt loc.value	1
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	
	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1 -1332.65002





Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	678.661987	678.661987	~
VehDyn_MinOffset_HwDeg_M_f32	-216.720032	-216.720001	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1910133	15.1910133 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	567.009949	567.01001 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.4 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.5

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Input Value
25
43128
58869
54822322
2553156835
-599.400024
0.000452000007
-599.400024
0.000782000017
0
0
457.399994
166.399994
16.1000004
12.3999996
25532
27401
54822322
2553156835
-599.400024
2.54000006e-005
-599.400024
0.000652000017
0
1
1
1
0
-1300.41003
0
1
0
-374.149994
-1432.46997
3.20000005
0.000251999998
0.972000003 -1578.89001
4243378688
0.34999994
6.5
0.889999986
65
25.1000004
2.69000006
0.0166250002
2659241984
1050692864
463842816
4243378688
target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_VehDyn_Per1_CwEOT_HwDeg_f32
target_VehDyn_Per1_HwTorque_HwNm_f32
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_VehDyn_Per1_VehicleSpeed_Kph_f32
-1431.89001
386.147003
6.5
9.5
800.869995
800.869995 -599.400024
800.869995 -599.400024 1
800.869995 -599.400024





Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_MaxOffset_HwDeg_M_f32	-374.149994	-374.149994	•
VehDyn_MinOffset_HwDeg_M_f32	-832.48999	-832.48999	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20166588	3.20166588 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.889999986	0.889999986 ± 0.004	•
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	0	0 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	-
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.5 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024 54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.700012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.699998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12.6999998 13352
VehDyn_AutoCntrLoSpd_M_str.Timer11nresn_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn AutoCntrLoSpd M str.Timer2 ms u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1172.87
VehDyn_MinOffset_HwDeg_M_f32	-363.029999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32	1050692864 0
k HwTgMgnThd HwNm f32	0.00120000006
k LoSpdVDAuthority UIs f32	0.89999976
k SrlHwAgVldTiThd mS u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997
k_TravelXCDeadband_Uls_f32	3.38000011
k_TraveIXCHwAuthority_UIs_f32	0.212624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target VehDyn Per1 HwTorque HwNm f32
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRadpS f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009 4076.90309
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298 -1.11000001
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1.11000001 -456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027
0 _	





Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1312.13		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	~
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.49870157	1.49870157 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.275999993	0.275999993 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-651.380005	-651.380005 ± 0.1	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.6 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.1399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000592000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000176000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.57999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	753.541992
VehDyn_MinOffset_HwDeg_M_f32	-924.486023
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000399000011
VehDyn_SLPHwAuth_Uls_M_f32	0.216000006
VehDyn_SLPHwPos_HwDeg_M_f32	-799.130005
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k HiSpdVDAuthority UIs f32	0
k HwTqMgnThd HwNm f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
k SysKinRatio MtrDegpHwDeg f32	78.3000031
k TravelXCDeadband Uls f32	89.9000015
k_TravelXCHwAuthority_Uls_f32	0.109724998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
	target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVld_Cnt_lgc	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32





Name	Input Value		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1215.07898		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.03999996		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.700012		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1361.30005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1301.87		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.049988		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	·
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	·
VehDyn_MaxOffset_HwDeg_M_f32	-146.221069	-146.220993	-
VehDyn_MinOffset_HwDeg_M_f32	-924.486023	-924.486023	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19633675	3.19633675 ± 0.000009	-
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1600	1600 ± 0.1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.7 (Repeat Count = 1)	· ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	125.099998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.7999995
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999 0.000449999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_igc	0
VehDyn_AutoCntrHispd_M_str.Filter2Initialized_Cnt_igc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.400001
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	42.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.4999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	369.15799
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00025099999
VehDyn_SLPHwAuth_Uls_M_f32	0.986999989
VehDyn_SLPHwPos_HwDeg_M_f32	-1589.15002
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0.89999976
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_UIs_f32	0.330000013
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	10.0200005
k_TravelXCDeadband_Uls_f32	1.25
k_TravelXCHwAuthority_UIs_f32	0.0153999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
torget Dto Inst An VohDun VohDun Dand Consenter Authority III- 500	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1438.15002			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	375.23999			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.210022			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-172.389999			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1291.60999			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✓	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✓	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✓	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✓	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_MaxOffset_HwDeg_M_f32	375.23999	375.23999	~	
VehDyn_MinOffset_HwDeg_M_f32	-1438.15002	-1438.15002	✓	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79555798	7.7955575 ± 0.000009	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976	0.899999976 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓	

Test Step Call Trace				-0
Actual Function	Count	Expected Function	Count	Result
	Count	Provide the second seco	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	_
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 3.8 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	2291

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.700012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.5400009
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5 33198
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000464000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.299988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.31999971e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	-1274.84998
VehDyn MinOffset HwDeg M f32	-578.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007
VehDyn_SLPHwAuth_Uls_M_f32	0.216999993
VehDyn_SLPHwPos_HwDeg_M_f32	442.329987
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	3.099999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	54.1399994
k_TravelXCDeadband_Uls_f32	28.0100002
k_TravelXCHwAuthority_UIs_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	2242866176
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
Tarrier Rie Inst an Ventyn Ventyn Pert Sensonesshweos Hwiled 132	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32





Name	Input Value				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpe	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpe	target_VehDyn_Per1_VehicleSpeed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-515.830017	-515.830017			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	904.164001	904.164001			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.17999983				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.299988				
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1415.88				
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1				
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1281.34998				
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0				
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.640015				
Name	Actual Value	Expected Value	Result		
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	-		
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2242866176	2242866176	✓		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631			
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1415.88	-1415.88 ± 0.009	•		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1415.88	-1415.88 ± 0.009	_		
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	✓		
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	-		
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	✓		
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1	1	_		
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4004004656	4004004656	~		
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4211268631	4211268631	-		
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1415.88	-1415.88 ± 0.009	✓		
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1415.88	-1415.88 ± 0.009	_		
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0	0	✓		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1			
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0			
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	4004004656	4004004656			
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4211268631	4211268631			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009			
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1415.88	-1415.88 ± 0.009			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0			
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0	0			
VehDyn HiSpdLearnt Cnt M Igc	1	1			
VehDyn Initialize Cnt M Igc	1	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1			
VehDyn MaxOffset HwDeg M f32	904.164001	904.164001			
VehDyn_MinOffset_HwDeg_M_f32	-515.830017	-515.830017			
VehDyn PinTrqSV M str.SV Uls f32	-5.39988518	-5.39988518 ± 0.000009			
VehDyn SrlHwAgVldTimer mS M u32	2075080192	-5.39988518 ± 0.000009 2075080192			
target VehDyn Per1 SensorlessAuthority Uls f32.value	1	1 ± 0.004			
target_VenDyn_Per1_SensoriessAuthority_Uis_f32.value target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32.value	-515.109985	-515.109985 ± 0.1			

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.9 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1.
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.799988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.8000002

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000980000012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000980000012
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.599998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000552000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrloSpd_M_str.Timer2Thresh_mS_u16	30349 3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.X_Uls_f32	7.76000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000980000012
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1232.77405
VehDyn_MinOffset_HwDeg_M_f32	-443.670013
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000493000029
VehDyn_SLPHwAuth_Uls_M_f32	0.0480000004
VehDyn_SLPHwPos_HwDeg_M_f32	185.830002
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_UIs_f32	704
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	54.1199989 17.0200005
k_TravelXCHwAuthority_Uls_f32	0.227325007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32
taluet Rie IIIst Ab Velibyii, velibyii Fel i Gowech Hwhen isz	
	, , , , , , , , , , , , , , , , , , , ,
target_Rte_inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target VehDyn Per1 VehicleSpeedValid Cnt Igc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-369.149994	-		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1009.97498			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.43000007			
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-835			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1590.80005			
target VehDyn Per1 SrlHwAgVld Cnt lgc.value	0			
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1271.08997			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127			
		Even et al Value	Daguille	
Name Volchous Alloud liCod Auto Cots Ont M. Iso	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	¥ 4	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	~	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	•	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	~	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•	
VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓	
VehDyn_MaxOffset_HwDeg_M_f32	-580.825073	-580.825012	~	
VehDyn_MinOffset_HwDeg_M_f32	-443.670013	-443.670013	•	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8919325	13.8919325 ± 0.00009	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295	4294967295	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 3.10 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M lgc	0
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	34.1399994

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005 0.00080400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000592000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000176000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.3000031
VehDyn_AutoCntrloSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	86.1999969 5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.57999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	753.541992
VehDyn_MinOffset_HwDeg_M_f32	-924.486023
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000399000011
VehDyn_SLPHwPas_HwPas_HwPas_M_f32	0.216000006
VehDyn_SLPHwPos_HwDeg_M_f32	-799.130005 2728878080
VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority UIs f32	0
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	89.9000015
k_TravelXCHwAuthority_UIs_f32	0.109724998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	
target_Rte_Call_Ap_VehDyn_System1fffe_GetSystem1fffe_ffts_us2_current fiffe target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32





Name	Input Value				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	•	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32		target VehDyn Per1 SensorlessHwPos HwDeg f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_0	Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwI				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCl	RF_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	target_VehDyn_Per1_VehicleSpeed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-956.130005				
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1215.07898				
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.03999996				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.700012				
target VehDyn Per1 RelHwPos HwDeg f32.value	1361.30005				
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0				
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1260.82996				
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1				
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.049988				
Name	Actual Value	Expected Value	Result		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	•		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	~		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1361.30005	1361.30005 ± 0.009	•		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	•		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	_		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✓		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	~		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓		
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1			
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✓		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	_		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✓		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	_		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0			
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0			
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓		
VehDyn Initialize Cnt M Igc	1	1	_		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~		
		-146.220993			
	-146.221069				
VehDyn_MaxOffset_HwDeg_M_f32	-146.221069 -924.486023		•		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-924.486023	-924.486023	· ·		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-924.486023 3.19633675	-924.486023 3.19633675 ± 0.000009	~		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-924.486023	-924.486023			

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	•
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 ChecknointReached	1	

Test Step 3.11 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

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Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrg_HwNm_f32	0
· - · ·	0
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	0
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1600
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	-2840
ehDyn_MinOffset_HwDeg_M_f32	-1440.10999
ehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992
ehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
ehDyn_SLPHwAuth_Uls_M_f32	0
ehDyn_SLPHwPos_HwDeg_M_f32	-1600
ehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
_HiSpdVDAuthority_Uls_f32	0
HwTgMgnThd HwNm f32	6.0999999
_LoSpdVDAuthority_Uls_f32	0
SrlHwAgVldTiThd mS u32	703
_SysKinRatio_MtrDegpHwDeg_f32	1
	0
:_TravelXCDeadband_Uls_f32	
_TravelXCHwAuthority_UIs_f32	0
arget_DtrmnElapsedTime_mS_u32_ElapsedTime arget_GetSystemTime_mS_u32_CurrentTime	0
	10





Name	Input Value			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim				
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3:	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	arget_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_f			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360			
target VehDyn Per1 HwTorque HwNm f32.value	-10			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
target VehDyn Per1 SrlHwAg HwDeg f32.value	-1250.56995			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019			
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0			
target VehDyn Per1 VehicleSpeed Kph f32.value	0			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0		
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	~	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	0	0		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~	
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0	0	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~	
VehDyn_Initialize_Cnt_M_lgc	1	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~	
VehDyn_MaxOffset_HwDeg_M_f32	360	360		
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	~	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009		
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752		
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004		
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-998.960022	-998.960022 ± 0.1	_	
g		113.000011 10.1		

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	•
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_

Test Step 3.12 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

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Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	0
	0
VehDyn_AutoCatrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn ForceCenterEnabled Cnt M lgc	0
	-1600
VehDyn_ForceCenterOffset_HwDeg_M_f32	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	20
k_TraveIXCHwAuthority_UIs_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0





Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	1316564736		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_L	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1250		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1240.31006		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0	ı	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	0	0	•
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	0	0	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1600	-1600 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	360	360	~
VehDyn_MinOffset_HwDeg_M_f32	I and the second		
Venbyn_iviii10110ct_11wbcg_ivi_102	-1250	-1250	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1250 -18.7999992	-1250 -18.7999992 ± 0.00009	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992	-18.7999992 ± 0.00009	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~



Test Step 3.13 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	0.000682000013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001 0.000356000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	2.70000005
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.699997
VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32	14.699998
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	96.6999969
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.7799997e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	978
VehDyn_MinOffset_HwDeg_M_f32	-623
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000444000005
VehDyn_SLPHwAuth_Uls_M_f32	0.981000006
VehDyn_SLPHwPos_HwDeg_M_f32	-337.429993
VehDyn_SrlHwAgVldTimer_mS_M_u32	1262472576
k_HiSpdVDAuthority_UIs_f32	0.800000012
k_HwTqMgnThd_HwNm_f32	9.19999981
k LoCod\/DAuthority Lllo f22	0
k_LoSpdVDAuthority_Uls_f32	
k_cospovoAdunoniy_ois_132 k_SrlHwAgVIdTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	65 86.3000031





Name	Input Value		
k TravelXCDeadband Uls f32	43.5499992		
k_TravelXCHwAuthority_Uls_f32	0.164849997		
target DtrmnElapsedTime mS u32 ElapsedTime	2059598336		
target_GetSystemTime_mS_u32_CurrentTime	1117112832		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT			
target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime			
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	1	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRad		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3.	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hw	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	0_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	m f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3.		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-674		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1293		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.70000005		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	969.01001		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-337.429993		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.459999		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	323.98999	323.98999	~
VehDyn_MinOffset_HwDeg_M_f32	-623	-623	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32		1 7 70 F 0 0 1 0 F 1 0 0 0 0 0 0 0 0 0 0 0 0	✓
	7.79582453	7.79582405 ± 0.000009	
VehDyn_SrlHwAgVldTimer_mS_M_u32	1262472576	1262472576	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value			~

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Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

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Project VehDyn

Module VehDyn

Test Object VehDyn_SCom_ForceCenter

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

Statistics

Total Testcases	1
Successful	1
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\VehDyn
Configuration File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDeftinclude -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT) \utb\contract -I\$(PROJECTROOT)\utb\contract\Ap_VehDvn -I\$(ProgramFiles)\Texas Instruments\cssv4\tools\compiler\tms470_4.9.5\include

Name	Text
Name Module 'VehDyn'	Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:8 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):2218 Total CALS Used (Bytes):215 Special Test Requirements: Test Date:09-15-2015 Comments:"MOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(InitObjDir)\sys_link.cmd
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre>
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg

VehDyn_SCom_ForceCenter

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Workspace File

D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



VehDyn_SCom_ForceCenter

Test Case 1: Boundary Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles: TS 1.1 589.00 Cycles TS 1.2 589.00 Cycles TS 1.3 589.00 Cycles TS 1.4 589.00 Cycles TS 1.5 589.00 Cycles

Vector Description: Description

TS 1.1RelHwPos_HwDeg_f32=Min TS 1.2RelHwPos_HwDeg_f32=Neg TS 1.3RelHwPos_HwDeg_f32=0 TS 1.4RelHwPos_HwDeg_f32=Pos TS 1.5RelHwPos_HwDeg_f32=Max

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data)	target_Rte_Read_Ap_VehDy	n_RelHwPos_HwDeg_f32_data	
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	-1600	-1600	
Name	Actual Value	Expected Value	Result
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1	✓
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600	-1600 ± 0.009	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	~

Test Step 1.2 (Repeat Count = 1)			✓	
Name	Input Value			
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data)	target_Rte_Read_Ap_VehD	yn_RelHwPos_HwDeg_f32_data		
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	-1200.56006	-1200.56006		
Name	Actual Value	Expected Value	Result	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1	~	
VehDyn ForceCenterOffset HwDeg M f32	-1200.56006	-1200.56006 ± 0.009	✓	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	~

Test Step 1.3 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data)	RelHwPos_HwDeg_f32(data) target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data		
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	0	0	
Name	Actual Value	Expected Value	Result
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1	~
VehDyn_ForceCenterOffset_HwDeg_M_f32	0	0 ± 0.000009	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	~

Test Step 1.4 (Repeat Count = 1)		✓	
Name Input Value			
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data) target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data			
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	1300.25		
Name	Actual Value	Expected Value	Result
VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 1		~	
VehDyn_ForceCenterOffset_HwDeg_M_f32	1300.25	1300.25 ± 0.009	✓

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VehDyn_SCom_ForceCenter

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	~

Test Step 1.5 (Repeat Count = 1)		✓	
Name Input Value			
tte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data) target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data			
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	1600		
Name	Actual Value	Expected Value	Result
VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 1		~	
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600	1600 ± 0.009	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	~

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Autocenter_f32



Project	VehDyn
Module	VehDyn
Test Object	Autocenter_f32

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\VehDyn
Configuration File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\utp\contract -I\$(PROJECTROOT)\utp\contract\Ap_VehDyn -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

ame	Text
odule 'VehDyn'	**************************************
	Name of Tester:Spoorti Mali
	Code File(s) Under Test:Ap_VehDyn.c
	Code File(s) Version:8
	Module Design Document:VehDyn_MDD.docx
	Module Design Document Version:9
	Data Dictionary Version:10 Unit Test Plan Version:6
	Optimization Level:Level 2
	Compiler (CodeGen) Version:TMS470 4.9.5
	Model Type:Excel Macro
	Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32
	Total FLASH Used (Bytes):2278
	Total RAM Used (Bytes):201
	Total CALS Used (Bytes):115
	Special Test Requirements:
	Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	Comments. NOTE 1. Infine function destined in Globol Macron. Tale not unit tested. NOTE2: ""CBD Sandbox dbq.map" map file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(InitObjDir)\sys_link.cmd
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre>
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false

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Autocenter_f32



Attributes	
Name	Value
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

TS1.1 680.00 Cycles Shortest Execution Pat TS1.2 1810.00 Cycles Longest Execution Path Shortest Execution Path

Description

Vector Description:

TS1.1"Shortest Execution Path=> if((Abs_f32_m(MotorVelCRF_MtrRadpS_T_f32) <= AutoCntr_Cnt_T_str->MtrVel_MtrRadpS_f32) && (VehicleSpeed_Kph_T_f32 >= AutoCntr_Cnt_T_str->VehSpd_kph_f32) && (VehSpdValid_Cnt_T_igc == D_TRUE_CNT_LGC) && (AbsFiltPinTrq_HwNm_T_f32 <= (AutoCntr_Cnt_T_str->FiltPinTrq_HwNm_f32)))=>False if(AutoCntr_Cnt_T_str->Filter1Enable_Cnt_Igc == D_TRUE_CNT_LGC)=>False"

TS1.2"Longest Execution Path=>

if (AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_Igc == D_FALSE_CNT_LGC) &&

(Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16))=>True

if (AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_Igc == D_FALSE_CNT_LGC) >=>True if(AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>True"

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedT	ime	
FiltPinTrq_HwNm_T_f32	0		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-1350		
RelHwPos_HwDeg_T_f32	-1600		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	0		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	0		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	0		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	0		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	0		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	0		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	0		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000501999981		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000501999981		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
tgt_GetSystemTime_mS_u32_CurrentTime	0		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0	0	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976	2269150976	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

Test Step Call Trace						/
Actual Fund	tion	Count	Expected Function	Count	Resu	ılt
GetSystemTin	e_mS_u32	1	GetSystemTime_mS_u32	1		✓





Test Step 1.2 (Repeat Count = 1) Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt_DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrq HwNm T f32	5	apseu i iiile	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Curre	antTime	
MotorVelCRF MtrRadpS T f32	0	entrime	
RelHwPos HwDeg T f32	-888		
VehSpdValid Cnt T lgc	1		
VehicleSpeed Kph T f32	216		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	120		
tgt AutoCntr Cnt T str.VehSpd kph f32	34		
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	5		
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	85		
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	53759		
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	32821		
tgt AutoCntr Cnt T str.Timer1 mS u32	1316564736		
tgt AutoCntr Cnt T str.Timer2 mS u32	3345084416		
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-888		
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000508000026		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	425		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000508000026		
tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc	0		
tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc	0		
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0		
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0		
tgt DtrmnElapsedTime mS u32 ElapsedTime	3437401088		
tgt GetSystemTime mS u32 CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter f32()	0	0 ± 0.1	-
tgt AutoCntr Cnt T str.Timer1 mS u32	1316564736	1316564736	✓
tgt AutoCntr Cnt T str.Timer2 mS u32	954802432	954802432	-
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-888	-888	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888	-
tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc	1	1	-
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
DtrmnElapsedTime mS u32	1	DtrmnElapsedTime mS u32	1	_

Autocenter_f32

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Test Case 2: Boundary Test

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Autocenter_f32



Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS2.1 676.00 Cycles TS2.2 676.00 Cycles TS2.3 659.00 Cycles TS2.4 659.00 Cycles
TS2.5 730.00 Cycles
TS2.5 730.00 Cycles
TS2.6 659.00 Cycles
TS2.7 659.00 Cycles
TS2.7 659.00 Cycles
TS2.8 659.00 Cycles
TS2.9 659.00 Cycles
TS2.10 705.00 Cycles
TS2.10 705.00 Cycles
TS2.11 659.00 Cycles
TS2.12 659.00 Cycles
TS2.13 659.00 Cycles
TS2.13 659.00 Cycles
TS2.15 663.00 Cycles
TS2.15 663.00 Cycles
TS2.16 683.00 Cycles
TS2.17 659.00 Cycles
TS2.18 728.00 Cycles
TS2.18 728.00 Cycles
TS2.19 654.00 Cycles
TS2.20 701.00 Cycles
TS2.21 654.00 Cycles
TS2.22 654.00 Cycles
TS2.23 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 Cycles
TS2.25 654.00 Cycles
TS2.26 654.00 Cycles
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.29 654.00 Cycles
TS2.21 654.00 Cycles
TS2.23 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 Cycles
TS2.25 654.00 Cycles
TS2.26 654.00 Cycles
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.29 654.00 Cycles
TS2.21 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 Cycles
TS2.25 654.00 Cycles
TS2.26 654.00 Cycles
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.36 654.00 Cycles
TS2.37 654.00 Cycles
TS2.38 654.00 Cycles
TS2.39 654.00 Cycles
TS2.41 654.00 Cycles
TS2.47 659.00 Cycles
TS2.48 703.00 Cycles
TS2.48 703.00 Cycles
TS2.51 693.00 Cycles
TS2.52 654.00 Cycles
TS2.53 703.00 Cycles
TS2.54 654.00 Cycles
TS2.55 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 664.00 Cycles
TS2.58 693.00 Cycles
TS2.59 654.00 Cycles
TS2.59 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 664.00 Cycles
TS2.58 693.00 Cycles
TS2.59 654.00 Cycles
TS2.59 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 664.00 Cycles
TS2.58 693.00 Cycles
TS2.59 654.00 Cycles
TS2.59 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 664.00 Cycles
TS2.58 693.00 Cycles
TS2.59 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 664.00 Cycles
TS2.58 664.00 Cycles
TS2.59 654.00 Cycles
TS2.66 664.00 Cycles
TS2.67 664.00 Cycles
TS2.67 664.00 Cycles
TS2.67 664.00 Cycles
TS2.77 664.00 Cycles
TS2.77 664.00 Cyc





```
Description Vector Description:
```

```
TS 2.1All Min
TS 2.2All Max
TS 2.3FiltPinTrq_HwNm_T_f32 = Min
TS 2.4FiltPinTrq_HwNm_T_f32 = Max
TS 2.5FiltPinTrq_HwNm_T_f32 = Zero
TS 2.6FiltPinTrq_HwNm_T_f32 = Pos
TS 2.7FiltPinTrq_HwNm_T_f32 = Neg
TS 2.8MotorVelCRF_MtrRadpS_T_f32 = Max
TS 2.9MotorVelCRF_MtrRadpS_T_f32 = Max
TS 2.10MotorVelCRF_MtrRadpS_T_f32 = Zero
TS 2.11MotorVelCRF_MtrRadpS_T_f32 = Pos
TS 2.12MotorVelCRF_MtrRadpS_T_f32 = Neg
TS 2.12MotorVelCRF_MtrRadpS_T_f32 = Neg
TS 2.12MotorVelCRF_MtrRadpS_T_f32 = Neg
TS 2.13VehicleSpeed_Kph_T_f32 = Min
TS 2.14VehicleSpeed_Kph_T_f32 = Min
TS 2.15VehicleSpeed_Kph_T_f32 = Min
TS 2.15VehicleSpeed_Kph_T_f32 = Pos
TS 2.16VehSpdValid_Cnt_T_lgc = Max
TS 2.18RelHwPos_HwDeg_T_f32 = Min
TS 2.19RelHwPos_HwDeg_T_f32 = Min
TS 2.19RelHwPos_HwDeg_T_f32 = Max
TS 2.21RelHwPos_HwDeg_T_f32 = Neg
TS 2.23AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32==>Min
TS 2.25AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32==>Max
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Min
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Min
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Pos
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Pos
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Pos
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Nin
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Nin
TS 2.25AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Nin
TS 2.30AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Nin
TS 2.33AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Nin
TS 2.33AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>No
TS 2.33AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Pos
TS 2.33AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Pos
TS 2.35AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>No
TS 2.35AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>No
TS 2.35AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>No
TS 2.35AutoCntr_Cnt_T_str.FiltPinTrq_hm_g2==>Nin
TS 2.35AutoCntr_Cnt_T_str.FiltPinTrq_hm_g2==>Nin
TS 2.35AutoCntr_Cnt_T_str.FiltPinTrq_hm_g2==>Nin
TS 2.35AutoCntr_Cnt_T_str.FiltPinTrq_hm_g2==>Nin
TS 2.35AutoCntr_Cnt_T_str.FiltPinTrq_hm_g2==>Nin
          TS 2.1All Min
          TS 2.2All Max
      IS 2.34AutoCntr_Cnt_I_str. Ilmer1_mS_u32=>Pos

TS 2.35AutoCntr_Cnt_T_str. Filter1Enable_Cnt_Igc=>Min

TS 2.36AutoCntr_Cnt_T_str. Filter1Enable_Cnt_Igc=>Max

TS 2.37AutoCntr_Cnt_T_str. Timer1Thresh_mS_u16=>Max

TS 2.38AutoCntr_Cnt_T_str. Timer1Thresh_mS_u16=>>Max

TS 2.39AutoCntr_Cnt_T_str. Timer1Thresh_mS_u16=>Pos

TS 2.40AutoCntr_Cnt_T_str. Filter1Initialized_Cnt_Igc=>Min

TS 2.41AutoCntr_Cnt_T_str. RelHwPosFilt1SV_HwDeg_str.SV=>Min

TS 2.43AutoCntr_Cnt_T_str. RelHwPosFilt1SV_HwDeg_str.SV=>Max

TS 2.44AutoCntr_Cnt_T_str. RelHwPosFilt1SV_HwDeg_str.SV=>Max
          TS 2.44AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
      TS 2.44AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS 2.45AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS 2.46AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Neg
TS 2.47AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Min
TS 2.48AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Pos
TS 2.50AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Pos
TS 2.50AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Min
TS 2.51AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Pos
TS 2.53AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Pos
TS 2.53AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Zero
TS 2.54AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Zero
TS 2.54AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Zero
      IS 2.53AutoCntr_Cnt_I_str.ReiHwPosFilt2SV_HwDeg_str.SV==>Zero
TS 2.54AutoCntr_Cnt_T_str.ReiHwPosFilt2SV_HwDeg_str.SV==>Neg
TS 2.55AutoCntr_Cnt_T_str.ReiHwPosFilt2SV_HwDeg_str.Str.S=>Min
TS 2.56AutoCntr_Cnt_T_str.ReiHwPosFilt2SV_HwDeg_str.K==>Max
TS 2.56AutoCntr_Cnt_T_str.ReiHwPosFilt2SV_HwDeg_str.K=>Pos
TS 2.58AutoCntr_Cnt_T_str.ReiHwPosFilt2SV_HwDeg_str.K=>Pos
TS 2.59AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc==>Min
TS 2.50AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc==>Min
      IS 2.60AutoCntr_Cnt_I str.Filter2Initialized_Cnt_Igc==>Min
TS 2.61AutoCntr_Cnt_T str.Filter2Initialized_Cnt_Igc==>Max
TS 2.62AutoCntr_Cnt_T str.CntrWindow_HwDeg_f32==>Min
TS 2.63AutoCntr_Cnt_T str.CntrWindow_HwDeg_f32==>Max
TS 2.64AutoCntr_Cnt_T str.CntrWindow_HwDeg_f32==>Pos
TS 2.65AutoCntr_Cnt_T str.Timer2Thresh_mS_u16==>Min
TS 2.66AutoCntr_Cnt_T str.Timer2Thresh_mS_u16==>Max
TS 2.67AutoCntr_Cnt_T str.Timer2Thresh_mS_u16==>Pos
TS 2.68AutoCntr_Cnt_T str.Timer2Thresh_mS_u16==>Pos
TS 2.69AutoCntr_Cnt_T str.Timer2_mS_u32==>Min
TS 2.70AutoCntr_Cnt_T str.Timer2_mS_u32==>Pos
          TS 2.70AutoCntr_Cnt_T_str.Timer2_mS_u32==>Pos
          TS 2.71GetSystemTime_mS_u32 = Min
TS 2.72GetSystemTime_mS_u32 = Max
            TS 2.73GetSystemTime_mS_u32 = Pos
          TS 2.74DtrmnElapsedTime_mS_u32 = Min
TS 2.75DtrmnElapsedTime_mS_u32 = Max
            TS 2.76DtrmnElapsedTime_mS_u32 = Pos
```

Name	Input Value	
AutoCntr Cnt T str	tgt AutoCntr Cnt T str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	-18.7999992	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-1350	
RelHwPos_HwDeg_T_f32	-3200	
VehSpdValid_Cnt_T_lgc	0	
VehicleSpeed_Kph_T_f32	0_	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	0	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	0	

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	0		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	0		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	0		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	0		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	0		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
tgt_GetSystemTime_mS_u32_CurrentTime	0		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0	0	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	0	0	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	18.7999992		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	1350		
RelHwPos_HwDeg_T_f32	3200		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	512		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	700		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	255		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	20		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	100		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	60000		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	60000		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295	4294967295	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295	4294967295	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32	2 ElapsedTime	
FiltPinTrq HwNm T f32	-18.7999992		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 C	urrentTime	
MotorVelCRF MtrRadpS T f32	-123		
RelHwPos_HwDeg_T_f32	-172.389999		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	166		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	75		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	156		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	10		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	33198		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	10000		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000780000002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000449999992		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272		
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688	4243378688	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976	2269150976	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc	0	0	
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0	

7	Test Step Call Trace				~
F	actual Function	Count	Expected Function	Count	Result
(SetSystemTime mS u32	1	GetSystemTime mS u32	1	~

Test Step 2.4 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	18.7999992
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	189
RelHwPos_HwDeg_T_f32	-599.400024
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	176
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	98.0199966
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166.009995
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	25
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	26195
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21335
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	20000
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3533260288
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000782000017

tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc

 $tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc$

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Input Value tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -599.400024 $tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$ 0.000452000007 tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc 0 tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc 2659241984 tgt_DtrmnElapsedTime_mS_u32_ElapsedTime 1050692864 $tgt_GetSystemTime_mS_u32_CurrentTime$ Actual Value **Expected Value** Result Name Autocenter_f32() 0 ± 0.1 1050692864 1050692864 $tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32$ tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 3533260288 3533260288 $tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$ -599.400024 -599.400024 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -599.400024 -599.400024 $tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc$ 0 0 tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc 0 0

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

1

1

Test Step 2.5 (Repeat Count = 1)					
Name	Input Value				
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str				
DtrmnElapsedTime mS u32(ElapsedTime)		tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrg HwNm T f32	0				
GetSystemTime mS u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime				
MotorVelCRF MtrRadpS T f32	63.0200005				
RelHwPos HwDeg T f32	770.52002				
VehSpdValid Cnt T lgc	0				
VehicleSpeed Kph T f32	186				
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	66				
tgt AutoCntr Cnt T str.VehSpd kph f32	84				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5.19999981				
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	86.2099991				
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	43128				
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	53970				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	437658624				
tgt AutoCntr Cnt T str.Timer2 mS u32	812314880				
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	770.52002				
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000783999974				
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	770.52002				
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000859000022				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	1				
tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc	1				
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0				
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0				
tgt DtrmnElapsedTime mS u32 ElapsedTime	2942063360				
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680				
Name	Actual Value	Expected Value	Resul		
Autocenter f32()	0	0 ± 0.1			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	812314880	812314880	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	770.52002	770.52002			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	770.52002	770.52002	•		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	•		

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	





Test Step 2.6 (Repeat Count = 1) Name	Input Value				
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str				
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32	FlansedTime			
FiltPinTrq HwNm T f32		12.3299999			
GetSystemTime_mS_u32(CurrentTime)		tgt GetSystemTime mS u32 CurrentTime			
MotorVelCRF MtrRadpS T f32	-900				
RelHwPos HwDeg T f32	995.5				
VehSpdValid_Cnt_T_lgc	0				
VehicleSpeed_Kph_T_f32	196				
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	600.109985				
tgt AutoCntr Cnt T str.VehSpd kph f32	76				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	71426560				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00078599999				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000126600004				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568				
tgt_GetSystemTime_mS_u32_CurrentTime	309385728				
Name	Actual Value	Expected Value	Resul		
Autocenter_f32()	0	0 ± 0.1	•		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728	•		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760	4129141760	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0			

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.7 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	-12.4499998
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	800
RelHwPos_HwDeg_T_f32	-880.02002
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	206
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	200
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	86.0299988
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4.30000019
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2430672128
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000788000005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000167299993
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408

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Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	2836768512	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace					V
Actual Function	Count	Expected Function	Count	Resu	lt
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		~

Test Step 2.8 (Repeat Count = 1)			•		
Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str				
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	4.23000002				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-1350				
RelHwPos_HwDeg_T_f32	-1454.77002				
VehSpdValid_Cnt_T_lgc	1				
VehicleSpeed_Kph_T_f32	196				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	34.2099991				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	9				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	56				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	49475				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000207999998				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832				
tgt_GetSystemTime_mS_u32_CurrentTime	1316564736				
Name	Actual Value	Expected Value	Resul		
Autocenter_f32()	0	0 ± 0.1	•		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	•		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416	3345084416	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002	•		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	,		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1			

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.9 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	16.5499992
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	1350

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Name	Input Value		
RelHwPos HwDeg T f32	267.709991		
VehSpdValid Cnt T lgc	0		
VehicleSpeed Kph T f32	206.240005		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	2		
tgt AutoCntr Cnt T str.VehSpd kph f32	52.2099991		
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	7		
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	54.2299995		
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	43128		
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	29076		
tgt AutoCntr Cnt T str.Timer1 mS u32	3304439296		
tgt AutoCntr Cnt T str.Timer2 mS u32	2704864000		
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	267.709991		
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000791999977		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	267.709991		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000248700002		
tgt AutoCntr Cnt T str.Filter1Enable Cnt lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392		
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2704864000	2704864000	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.10 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Elapsed	dTime	
FiltPinTrq_HwNm_T_f32	5.86999989		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTim	ne	
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-293.049988		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5.0999999		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000793999992		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000289399992		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	954802432	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760	4129141760	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988	✓

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.11 (Repeat Count = 1)			✓		
Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime				
FiltPinTrq_HwNm_T_f32	9.45499992				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	entTime			
MotorVelCRF_MtrRadpS_T_f32	1100.25				
RelHwPos_HwDeg_T_f32	-627.179993				
VehSpdValid_Cnt_T_lgc	0				
VehicleSpeed_Kph_T_f32	226				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	350.230011				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	18.1100006				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	3				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	13352				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	662694400				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000796000008				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000330100011				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776				
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080				
Name	Actual Value	Expected Value	Result		
Autocenter_f32()	0	0 ± 0.1	~		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080	2728878080	~		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	662694400	662694400	~		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993	✓		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993	~		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓		

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.12 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	7.87699986
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-1200.25
RelHwPos_HwDeg_T_f32	-277.480011
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	236.300003
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	400
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	88
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	1
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	32

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3323480832		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2303132928		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000798000023		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.0003708		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816		
tgt_GetSystemTime_mS_u32_CurrentTime	824746752		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-100.000015	-100 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	824746752	824746752	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2303132928	2303132928	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.13 (Repeat Count = 1)					
Name	Input Value				
AutoCntr_Cnt_T_str		tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u3	32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	5.76599979				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_	CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-900				
RelHwPos_HwDeg_T_f32	731.700012				
VehSpdValid_Cnt_T_lgc	0				
VehicleSpeed_Kph_T_f32	0				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76.3199997				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.20000005				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52.1399994				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	71426560				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079999998				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00041149999				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568				
tgt_GetSystemTime_mS_u32_CurrentTime	309385728				
Name	Actual Value	Expected Value	Resul		
Autocenter f32()	0	0 ± 0.1			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760	4129141760			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012			
tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc	0	0			
tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc	1	1			
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0	0			
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0			



Test Step Call Trace				•
Actual Function	Count	Expected Function	Count	Resul
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	

Test Step 2.14 (Repeat Count = 1)			→		
Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime				
FiltPinTrq_HwNm_T_f32	3				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	800				
RelHwPos_HwDeg_T_f32	-968.400024				
VehSpdValid_Cnt_T_lgc	1				
VehicleSpeed_Kph_T_f32	512				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	200.139999				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	86				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2430672128				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000801999995				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000452200009				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408				
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008				
Name	Actual Value	Expected Value	Result		
Autocenter_f32()	0	0 ± 0.1	•		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	•		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	2836768512			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1			

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
GetSvstemTime mS u32	1	GetSvstemTime mS u32	1	_

Test Step 2.15 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	1.11000001
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-418.01001
RelHwPos_HwDeg_T_f32	49.4199982
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	124.260002
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	457
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	96
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	63
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2242866176
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2478427648
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080400001

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492900028		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208		
tgt_GetSystemTime_mS_u32_CurrentTime	437658624		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	437658624	437658624	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2478427648	2478427648	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.16 (Repeat Count = 1)			v
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrq_HwNm_T_f32	2.98000002		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	entTime	
MotorVelCRF_MtrRadpS_T_f32	-425		
RelHwPos_HwDeg_T_f32	-559.150024		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	156		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	498.230011		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	106.139999		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.3000002		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	88		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2269150976		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4180236544		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000806000025		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000533599989		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688		
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312	3941357312	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4180236544	4180236544	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	





Test Step 2.17 (Repeat Count = 1) Name	Input Value				
	· · · · · · · · · · · · · · · · · · ·				
AutoCntr_Cnt_T_str		tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime				
FiltPinTrq_HwNm_T_f32		4.2329998			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime			
MotorVelCRF_MtrRadpS_T_f32	752				
RelHwPos_HwDeg_T_f32	933.469971				
VehSpdValid_Cnt_T_lgc	166.977005				
VehicleSpeed_Kph_T_f32	539				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	116				
tgt AutoCntr Cnt T str.FiltPinTrq HwNm f32	18				
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	75.1200027				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	29076				
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	29076				
tgt AutoCntr Cnt T str.Timer1 mS u32	3533260288				
tgt AutoCntr Cnt T str.Timer2 mS u32	3494315776				
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	933.469971				
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000807999982				
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	933.469971				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000574300007				
tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc	1				
tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc	1				
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0				
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864				
tgt GetSystemTime mS u32 CurrentTime	3304439296				
Name	Actual Value	Expected Value	Resul		
Autocenter f32()	0	0 ± 0.1			
tgt AutoCntr Cnt T str.Timer1 mS u32	3304439296	3304439296			
tgt AutoCntr Cnt T str.Timer2 mS u32	3494315776	3494315776			
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	933.469971	933.469971			
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	933.469971	933.469971			
tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc	0	0			
tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc	1	1			
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0			

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.18 (Repeat Count = 1)	<u> </u>
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	6.98699999
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-158
RelHwPos_HwDeg_T_f32	-3200
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	184
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	580.109985
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	126
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	812314880
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000809999998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000615000026
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680

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Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-2054.13599	-2054.13599 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	812314880	812314880	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2167769344	2167769344	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1145.86401	-1145.86401	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~	

Test Step 2.19 (Repeat Count = 1)	Innert Walter		~	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	14.6626997			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	536.200012			
RelHwPos_HwDeg_T_f32	3200			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	164			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	621			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136.139999			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18.1000004			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3345084416			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655699987			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736			
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	0	0 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3345084416	3345084416		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3714197504	3714197504		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200		
tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1		
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	1	1		
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1		

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.20 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str

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Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Ela	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	7.0999999	7.0999999		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curren	ntTime		
MotorVelCRF_MtrRadpS_T_f32	159			
RelHwPos_HwDeg_T_f32	0			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	152.300003			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	662			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	146			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42.0200005			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2704864000			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000814000028			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997	2576.71997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696400006	0.000696400006		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192			
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	-2574.92554	-2574.92554 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2704864000	2704864000	✓	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3323480832	3323480832	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2574.92554	2574.92554	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓	

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~



Test Step 2.21 (Repeat Count = 1)			•
Name	Input Value		
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt_DtrmnElapsedTime mS u32 ElapsedT	Time	
FiltPinTrg HwNm T f32	2.0999999	mic	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
MotorVelCRF MtrRadpS T f32	110	•	
RelHwPos HwDeg T f32	448.5		
VehSpdValid Cnt T Igc	1		
VehicleSpeed Kph T f32	198		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	124.139999		
tgt AutoCntr Cnt T str.VehSpd kph f32	156.110001		
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	4		
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	96		
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	38868		
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	38868		
tgt AutoCntr Cnt T str.Timer1 mS u32	4129141760		
tgt AutoCntr Cnt T str.Timer2 mS u32	2127166208		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000815999985		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000737100025		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432		
tgt_GetSystemTime_mS_u32_CurrentTime	71426560		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4129141760	4129141760	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	71426560	71426560	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5	448.5	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.22 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	9.69999981
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-125.199997
RelHwPos_HwDeg_T_f32	-157.490005
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	188
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	138
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16.0200005
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	32
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	662694400
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4243378688
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000818
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777799985
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080		
tgt_GetSystemTime_mS_u32_CurrentTime	2430672128		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-512.591003	-512.591003 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	662694400	662694400	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2430672128	2430672128	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.100983	355.100983	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
DtrmnElapsedTime mS u32	1	DtrmnElapsedTime mS u32	1	V

Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str	tat AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u33	2 ElapsedTime		
FiltPinTrq_HwNm_T_f32	8	,		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 C	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	154			
RelHwPos_HwDeg_T_f32	-1144.59998			
VehSpdValid Cnt T Igc	1			
VehicleSpeed Kph T f32	88.1200027			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	0			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	176.320007			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52.2999992			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2303132928			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000820000016			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818500004	0.000818500004		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752			
tgt_GetSystemTime_mS_u32_CurrentTime	2242866176			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	-1194.02002	-1194.02002 ± 0.1		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2242866176	2242866176	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864	1050692864	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0		

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.24 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str

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Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Ela	psedTime		
FiltPinTrq_HwNm_T_f32	4			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curren	tgt GetSystemTime mS u32 CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-759			
RelHwPos_HwDeg_T_f32	91.0800018			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	76			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	700			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	186			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	20423			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	20423			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4129141760			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000821999973			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859200023			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728			
tgt_GetSystemTime_mS_u32_CurrentTime	2269150976			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	650.230042	650.22998 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2269150976	2269150976	✓	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680	3039943680	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~	

Actual Function Count Expected Function	Count	Result
GetSystemTime_mS_u32 1 GetSystemTime_mS_u32	1	-

Test Step 2.25 (Repeat Count = 1)			~
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	_ElapsedTime	
FiltPinTrq_HwNm_T_f32	16		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
MotorVelCRF_MtrRadpS_T_f32	-1253.22998		
RelHwPos_HwDeg_T_f32	1576.71997		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	86.5500031		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	350.299988		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	196.020004		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	63		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	7034		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	7034		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2836768512		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1316564736		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000823999988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899899984		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008		
tgt_GetSystemTime_mS_u32_CurrentTime	3533260288		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	643.25	643.25 ± 0.1	~

 $tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc$

Autocenter_f32

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3533260288	3533260288	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1316564736	1316564736	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tat AutoCntr Cnt T str.Filter1Initialized Cnt lac	0	0	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Resu	lt
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		~

0

0

Test Step 2.26 (Repeat Count = 1) Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTi	mα	
FiltPinTrg HwNm T f32	14.1199999	mo	
GetSystemTime mS u32(CurrentTime)	tqt GetSystemTime mS u32 CurrentTime		
MotorVelCRF MtrRadpS T f32	835		
RelHwPos HwDeg T f32	1347.40002		
VehSpdValid Cnt T lgc	0		
VehicleSpeed Kph T f32	96		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	88		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	0		
tgt AutoCntr Cnt T str.FiltPinTrq HwNm f32	2.29999995		
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	88		
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	29076		
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	29076		
tgt AutoCntr Cnt T str.Timer1 mS u32	2478427648		
tgt AutoCntr Cnt T str.Timer2 mS u32	2075080192		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000826000003		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000940600003		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624		
tgt_GetSystemTime_mS_u32_CurrentTime	812314880		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	2492	2492 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	812314880	812314880	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192	2075080192	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	

Test Step Call Trace				•	P
Actual Function	Count	Expected Function	Count	Result	t
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	P

Test Step 2.27 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	12	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	456	
RelHwPos_HwDeg_T_f32	355.5	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	106	

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	94		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	255		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75.1999969		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4180236544		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	191.080002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000981300022		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312		
tgt_GetSystemTime_mS_u32_CurrentTime	3437401088		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	264.419983	264.420013 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3437401088	3437401088	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	191.080002	191.080002	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.28 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_	ElapsedTime	
FiltPinTrq_HwNm_T_f32	10		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime	
MotorVelCRF_MtrRadpS_T_f32	753		
RelHwPos_HwDeg_T_f32	-174.199997		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	116		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	126		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	124.260002		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000829999975		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00102199998		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296		
tgt_GetSystemTime_mS_u32_CurrentTime	3494315776		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776	3494315776	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080	2728878080	·
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Name	Input Value				
AutoCntr Cnt T str	· ·	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime				
FiltPinTrg HwNm T f32	2				
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Cu	urrentTime			
MotorVelCRF MtrRadpS T f32	119				
RelHwPos HwDeg T f32	-475.299988				
VehSpdValid_Cnt_T_lgc	1				
VehicleSpeed_Kph_T_f32	146.100006				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124.25				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136.110001				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	0				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	463842816				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000831999991				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00106269994				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344				
tgt_GetSystemTime_mS_u32_CurrentTime	463842816				
Name	Actual Value	Expected Value	Resul		
Autocenter_f32()	0	0 ± 0.1	•		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	463842816	463842816	•		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008	4164171008	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0			

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Test Step 2.30 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	12
RelHwPos_HwDeg_T_f32	-257.48999
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	136.25
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	63.1100006
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	14.0200005
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	20
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42.0099983
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568



Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000834000006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00110340002		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504		
tgt_GetSystemTime_mS_u32_CurrentTime	1759885568		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-99.9999847	-100 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568	1759885568	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568	1759885568	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.57341	-157.573395	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~	
GetSystemTime mS u32	2	GetSystemTime mS u32	2	V	

Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str				
DtrmnElapsedTime mS u32(ElapsedTime)	tgt_AutoCritt_Crit_1_su tgt_DtrmnElapsedTime mS u32 ElapsedTime				
FiltPinTrg HwNm T f32	6	z_Liapsed fillie			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 C	turrentTime			
MotorVelCRF MtrRadpS T f32	14	our ent i nne			
RelHwPos HwDeg T f32	-354.700012				
VehSpdValid Cnt T lgc	1				
VehicleSpeed Kph T f32	157				
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	45				
tgt AutoCntr Cnt T str.VehSpd kph f32	156				
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	15.25				
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	75				
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	53970				
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	53970				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1662097408				
tgt AutoCntr Cnt T str.Timer2 mS u32	3304439296				
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-354,700012				
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000836000021				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012				
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00114409998				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0				
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0				
tgt DtrmnElapsedTime mS u32 ElapsedTime	3323480832				
tgt GetSystemTime mS u32 CurrentTime	1662097408				
Name	Actual Value	Expected Value	Resu		
Autocenter f32()	0	0 ± 0.1			
tgt AutoCntr Cnt T str.Timer1 mS u32	1662097408	1662097408			
tgt AutoCntr Cnt T str.Timer2 mS u32	3304439296	3304439296			
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-354.700012	-354.700012			
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-354.700012	-354.700012			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1			
tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc	1	1			
tgt AutoCntr Cnt T str.Filter1Initialized Cnt lgc	0	0			
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0			

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~



Test Step 2.32 (Repeat Count = 1)			✓	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	5			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	9		
MotorVelCRF_MtrRadpS_T_f32	652			
RelHwPos_HwDeg_T_f32	-627.179993			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	56			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	350.230011			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	18.1100006			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	3			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080999998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000615000026			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680			
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	517.419983	517.419983 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344	2167769344	✓	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816	463842816	~	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998	~	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.33 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	6
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	45
RelHwPos_HwDeg_T_f32	-177.479996
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	112
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	400
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	88
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	1
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655699987
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736		
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-268.559998	-268.559998 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504	3714197504	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568	1759885568	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrg HwNm T f32	7			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	65			
RelHwPos_HwDeg_T_f32	731.700012			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	7			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76.3199997			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.20000005			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42.0200005			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	543323			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000814000028			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696400006			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192			
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832			
Name	Actual Value	Expected Value	Resul	
Autocenter f32()	-1845.02002	-1845.02002 ± 0.1		
tgt AutoCntr Cnt T str.Timer1 mS u32	3323480832	3323480832		
tgt AutoCntr Cnt T str.Timer2 mS u32	1662097408	1662097408		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997	2576.71997		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2576.71997	2576.71997		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0		
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0	0		
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1		

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

Test Step 2.35 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime

 $tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc$

tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc

 $tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc$

tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc

Autocenter_f32

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Input Value FiltPinTrq_HwNm_T_f32 6.65999985 GetSystemTime_mS_u32(CurrentTime) tgt_GetSystemTime_mS_u32_CurrentTime MotorVelCRF_MtrRadpS_T_f32 159 RelHwPos_HwDeg_T_f32 1123.40002 VehSpdValid Cnt T lgc VehicleSpeed_Kph_T_f32 246.119995 tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 2 84.2099991 $tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32$ tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 $tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32$ 56 tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 21335 $tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16$ 12258 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 3941357312 2942063360 $tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32$ tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1123.40002 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000855999999 $tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$ 1123.40002 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000525999989 $tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc$ 0 tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc 1 $tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc$ 0 tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc 0 662694400 $tgt_DtrmnElapsedTime_mS_u32_ElapsedTime$ tgt_GetSystemTime_mS_u32_CurrentTime 824746752 Name **Actual Value Expected Value** Autocenter_f32() 0 ± 0.1 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 824746752 824746752 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 2942063360 2942063360 $tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$ 1123.40002 1123.40002 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

0

1

0

0

0

0

0

Name	Input Value				
AutoCntr Cnt T str	tgt AutoCntr Cnt T str	•			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u3	2 ElapsedTime			
FiltPinTrg HwNm T f32	14				
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 (CurrentTime			
MotorVelCRF MtrRadpS T f32	1100				
RelHwPos HwDeg T f32	-378.170013				
VehSpdValid Cnt T Igc	0				
VehicleSpeed Kph T f32	84				
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	120.120003				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.0100002				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	26195				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3304439296				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1117112832				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000858000014				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000528000004				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928				
tgt_GetSystemTime_mS_u32_CurrentTime	309385728				
Name	Actual Value	Expected Value	Result		
Autocenter_f32()	0	0 ± 0.1	-		
tgt AutoCntr Cnt T str.Timer1 mS u32	309385728	309385728	✓		

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1117112832	1117112832	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.37 (Repeat Count = 1)			✓		
Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str				
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime				
FiltPinTrq_HwNm_T_f32	7.4000001				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curren	ntTime			
MotorVelCRF_MtrRadpS_T_f32	88				
RelHwPos_HwDeg_T_f32	969.01001				
VehSpdValid_Cnt_T_lgc	1				
VehicleSpeed_Kph_T_f32	187.199997				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	566.109985				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	0				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	13352				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2167769344				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000837999978				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560				
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208				
Name	Actual Value	Expected Value	Result		
Autocenter_f32()	0	0 ± 0.1	✓		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208	2127166208	✓		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208	2127166208	✓		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001	✓		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001	✓		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	~		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.38 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	9.80000019	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	61.2000008	
RelHwPos_HwDeg_T_f32	-1397.33997	
VehSpdValid_Cnt_T_lgc	1	

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Name	Input Value		
VehicleSpeed_Kph_T_f32	187.300003		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	63		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	176		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	60000		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3714197504		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000839999993		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000509999983		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1000		
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688	4243378688	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3714197504	3714197504	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.39 (Repeat Count = 1)	Innut Value			
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)		tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	11.3199997			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_u	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-9.80000019			
RelHwPos_HwDeg_T_f32	-913.679993			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	198.100006			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	10.25			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	186.25			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	18774			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	33198			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2894938880			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000842000009			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176			
tgt_GetSystemTime_mS_u32_CurrentTime	1050692864			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	0	0 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864	1050692864		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1		
tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc	1	1		

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓

Test Step 2.40 (Repeat Count = 1) Name	Input Value			
	· ·			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	tgt_AutoCritt_Crist tgt DtrmnElapsedTime mS u32 ElapsedTime		
DtrmnElapsedTime_mS_u32(ElapsedTime) FiltPinTrq HwNm T f32	18			
		Fina a		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Current1	Time		
MotorVelCRF_MtrRadpS_T_f32	-123.5 -1415.88			
RelHwPos_HwDeg_T_f32 VehSpdValid Cnt T lgc	1			
VehicleSpeed Kph T f32	64			
	350			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	111			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	52			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	19.7999992			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85.0299988 29076			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1736795392			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000530000019			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760			
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	0	0 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344	2167769344	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008	4164171008		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	,	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.41 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	18	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	154	
RelHwPos_HwDeg_T_f32	-1081.09998	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	52	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	400.25	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34	

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	19.2000008		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	49475		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3437401088		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000531999976		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2836768512		
tgt_GetSystemTime_mS_u32_CurrentTime	437658624		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504	3714197504	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	437658624	437658624	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	-
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
DtrmnElapsedTime mS u32	1	DtrmnElapsedTime mS u32	1	✓

Test Step 2.42 (Repeat Count = 1)				
Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)		tqt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrq HwNm T f32	10			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 C	urrentTime		
MotorVelCRF MtrRadpS T f32	-12.0299997			
RelHwPos_HwDeg_T_f32	-1503.19995			
VehSpdValid Cnt T Igc	1			
VehicleSpeed_Kph_T_f32	52.25			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	44			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10.5			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	463842816			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	824746752			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00088800001			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000558			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336			
tgt_GetSystemTime_mS_u32_CurrentTime	402713344			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	0	0 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	463842816	463842816	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	402713344	402713344	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3198.49316	-3198.49316	,	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•	

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Autocenter f3

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

Test Step 2.43 (Repeat Count = 1)			✓	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Elapse	edTime		
FiltPinTrq_HwNm_T_f32	12.9799995			
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	15			
RelHwPos_HwDeg_T_f32	240.300003			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	34			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	96.2099991			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	18			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	15.0200005			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	309385728			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000890000025			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000560000015			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984			
tgt_GetSystemTime_mS_u32_CurrentTime	4178051584			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	0	0 ± 0.1	✓	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568	1759885568	✓	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4178051584	4178051584	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3197.36597	3197.36597	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.44 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	14	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-75	
RelHwPos_HwDeg_T_f32	-692.390015	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	98	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	100	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	88	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.8000002	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	45	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	29076	

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1662097408		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000891999982		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000561999972		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000		
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1662097408	1662097408	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4077829376	4077829376	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-0.617611885	-0.617611885	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32	2 ElapsedTime	
FiltPinTrg HwNm T f32	16		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 C	currentTime	
MotorVelCRF MtrRadpS T f32	-12.0200005		
RelHwPos HwDeg T f32	-1385.40002		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	88		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124.120003		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16.3999996		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	78		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	20423		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2894938880		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000893999997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000563999987		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3351443200		
tgt_GetSystemTime_mS_u32_CurrentTime	2644937728		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208	2127166208	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2644937728	2644937728	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	446.860504	446.860504	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	





Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	

Test Step 2.46 (Repeat Count = 1) Name	Input Value		
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt_AutoCntt_Cnt_1_str	FloreadTime	
	3	z_Etapsed time	
FiltPinTrq_HwNm_T_f32			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentime	
MotorVelCRF_MtrRadpS_T_f32	-1036.69995		
RelHwPos_HwDeg_T_f32	1		
VehSpdValid_Cnt_T_lgc			
VehicleSpeed_Kph_T_f32	87		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	78		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	86		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	3.70000005		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96.2099991		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	7034		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000896000012		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1358028288		
tgt_GetSystemTime_mS_u32_CurrentTime	2212175616		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688	4243378688	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2212175616	2212175616	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-158.277771	-158.277771	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

Test Step 2.47 (Repeat Count = 1)			
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	5		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	15		
RelHwPos_HwDeg_T_f32	2307.94995		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	102		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	88.3099976		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	96		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5.01999998		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	32		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	29076		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	800969984		

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1975593216		
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	1000	1000 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336	2059598336	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.95251	1307.95251	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace							
Actual Function	Count	Expected Function	Count	Result			
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~			
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓			

Name	Input Value				
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str				
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime				
FiltPinTrg HwNm T f32	9				
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime				
MotorVelCRF MtrRadpS T f32	-44				
RelHwPos HwDeg T f32	-893.640015				
VehSpdValid Cnt T Igc	1				
VehicleSpeed Kph T f32	124				
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	94				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	106				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	9.06000042	9.06000042			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868				
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	32821				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	569984000	569984000			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000568000018				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864				
tgt_GetSystemTime_mS_u32_CurrentTime	800969984				
Name	Actual Value	Expected Value	Resu		
Autocenter_f32()	0	0 ± 0.1			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	569984000	569984000			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1			
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1			

Test Step Call Trace							
Actual Function	Count	Expected Function	Count	Result			
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~			



Test Step 2.49 (Repeat Count = 1) Name	Input Value				
AutoCntr Cnt T str	tgt AutoCntr Cnt T str				
DtrmnElapsedTime mS u32(ElapsedTime)		tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrg HwNm T f32	7				
GetSystemTime mS u32(CurrentTime)		tgt GetSystemTime mS u32 CurrentTime			
MotorVelCRF MtrRadpS T f32	-9.01000023	unchtrane			
RelHwPos HwDeg T f32	616.409973				
VehSpdValid Cnt T Igc	1				
VehicleSpeed Kph T f32	132				
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	44.4700012				
tgt AutoCntr Cnt T str.VehSpd kph f32	116				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	7.01999998				
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	10				
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	53970				
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	40437				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3351443200				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000569999975				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344				
tgt_GetSystemTime_mS_u32_CurrentTime	2659241984				
Name	Actual Value	Expected Value	Result		
Autocenter_f32()	0	0 ± 0.1	✓		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	•		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3351443200	3351443200	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973	•		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

Test Step 2.50 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	16
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	1199
RelHwPos_HwDeg_T_f32	-6.48000002
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	246.25
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	539
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	123
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	63
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	20423
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	33198
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000872000004
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000541999994
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0

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Name	Input Value		
	•		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608		
tgt_GetSystemTime_mS_u32_CurrentTime	2894938880		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	3193.52002	3193.52002 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2894938880	2894938880	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208	2127166208	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.51 (Repeat Count = 1)			✓	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrq_HwNm_T_f32	14			
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-1299.14001			
RelHwPos_HwDeg_T_f32	-444.170013			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	123			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	580			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	124			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	88.25			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	7034			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21335			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1720406272			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4243378688			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00054400001			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1711664384			
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	-3644.16992	-3644.16992 ± 0.1	✓	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2059598336	2059598336	✓	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4243378688	4243378688	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.52 (Repeat Count = 1)		~
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	12	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	

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Name	Input Value		
MotorVelCRF_MtrRadpS_T_f32	-147		
RelHwPos_HwDeg_T_f32	1146.91003		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	124.764999		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	621		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	125		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12.21		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	25532		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2659241984		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000875999976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000546000025		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208		
tgt_GetSystemTime_mS_u32_CurrentTime	800969984		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	1146.91003	1146.91003 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984	800969984	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864	1050692864	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

rest Step Call Trace				*	1
Actual Function	Count	Expected Function	Count	Resul	t
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	•
					_

Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str				
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime				
FiltPinTrq_HwNm_T_f32	10				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	е			
MotorVelCRF_MtrRadpS_T_f32	88				
RelHwPos_HwDeg_T_f32	-1459.40002				
VehSpdValid_Cnt_T_lgc	0				
VehicleSpeed_Kph_T_f32	125				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	662.210022				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	32				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	49475				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2942063360	2942063360			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000877999992				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000547999982				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc	1				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4195077888				
tgt_GetSystemTime_mS_u32_CurrentTime	569984000				
Name	Actual Value	Expected Value	Result		
Autocenter_f32()	-1907.90002	-1907.90002 ± 0.1	~		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000	569984000	~		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680	3039943680	~		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003	✓		

Test Step 2.54 (Repeat Count = 1)

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	2			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime		
MotorVelCRF_MtrRadpS_T_f32	-75			
RelHwPos_HwDeg_T_f32	459.209991			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	32.3300018			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	124			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86.3199997			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	29076			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1117112832			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1316564736			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000880000007			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000549999997			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824			
tgt_GetSystemTime_mS_u32_CurrentTime	3351443200			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	616.700012	616.700012 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3351443200	3351443200	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1316564736	1316564736	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	•	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.55 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	4	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-83.1399994	
RelHwPos_HwDeg_T_f32	1001.01001	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	124	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	138.110001	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4.5	

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1736795392		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000882000022		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344		
tgt_GetSystemTime_mS_u32_CurrentTime	1358028288		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1736795392	1736795392	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192	2075080192	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

Test Step 2.56 (Repeat Count = 1)			
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_	ElapsedTime	
FiltPinTrq_HwNm_T_f32	6		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime	
MotorVelCRF_MtrRadpS_T_f32	15		
RelHwPos_HwDeg_T_f32	-1312.29004		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	84		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	86		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6.69999981		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	12		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	13352		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3437401088		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000883999979		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104		
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3437401088	3437401088	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0	





Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~	

Test Step 2.57 (Repeat Count = 1)			~
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	8		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
MotorVelCRF_MtrRadpS_T_f32	110		
RelHwPos_HwDeg_T_f32	1089.29004		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	64		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	539.320007		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	52		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8.89999962		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	53.2099991		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000885999994		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2894938880		
tgt_GetSystemTime_mS_u32_CurrentTime	910116864		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776	3494315776	•
tgt AutoCntr Cnt T str.Timer2 mS u32	2728878080	2728878080	•
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1089.29004	1089.29004	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	1	1	•
tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime mS u32	2	DtrmnElapsedTime mS u32	2	

Test Step 2.58 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	16
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-547
RelHwPos_HwDeg_T_f32	448.100006
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	34.2299995
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	21.2999992
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16.2099991
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	43128
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2894938880
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3494315776
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000864000001

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000533999992		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648		
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2894938880	2894938880	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312	3941357312	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	-	

Test Step 2.59 (Repeat Count = 1)			~
Name	Input Value		
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 Elapsed	dTime	
FiltPinTrg HwNm T f32	18		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTin	ne	
MotorVelCRF MtrRadpS T f32	-142		
RelHwPos HwDeg T f32	-736.599976		
VehSpdValid Cnt T Igc	1		
VehicleSpeed Kph T f32	216		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	200.240005		
tgt AutoCntr Cnt T str.VehSpd kph f32	210		
tgt AutoCntr Cnt T str.FiltPinTrq HwNm f32	19.2000008		
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	32.0200005		
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	2291		
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2059598336		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000866000017		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000536000007		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544		
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2059598336	2059598336	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816	463842816	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~	



Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32	ElapsedTime		
FiltPinTrg HwNm T f32	8	-		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime			
MotorVelCRF MtrRadpS T f32	-83			
RelHwPos_HwDeg_T_f32	1210.59998			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	226			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	457			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	212			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8.19999981			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	13352			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000867999974			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000538000022			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432			
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	0	0 ± 0.1	-	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984	800969984	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2167769344	2167769344	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998	~	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	-	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓	
tgt AutoCntr Cnt T str.Filter2Initialized Cnt lgc	1	1	•	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.61 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-456
RelHwPos_HwDeg_T_f32	-10.3400002
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	236
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	498.359985
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	35
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4.5
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000869999989
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000539999979
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0

tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc

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Input Value tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc 0 $tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc$ 170564352 $tgt_DtrmnElapsedTime_mS_u32_ElapsedTime$ $tgt_GetSystemTime_mS_u32_CurrentTime$ 3714197504 **Expected Value** Name Actual Value Result Autocenter_f32() 0 ± 0.1 569984000 569984000 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 1662097408 1662097408 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -10.3400002 -10.3400002 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -10.3400002 -10.3400002 $tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc$ 1 1 tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

0

Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u3	2 ElapsedTime		
FiltPinTrq HwNm T f32	14	-		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	18			
RelHwPos_HwDeg_T_f32	476.670013			
VehSpdValid Cnt T Igc	1			
VehicleSpeed Kph T f32	186			
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	56			
tgt AutoCntr Cnt T str.VehSpd kph f32	174			
tgt AutoCntr Cnt T str.FiltPinTrq HwNm f32	14.2299995			
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	0			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	49475			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	13352			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000844000024			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000514000014			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976			
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	0	0 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336	2059598336	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0		

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~	

Test Step 2.63 (Repeat Count = 1)		
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	

 $tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc$

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Name	Input Value		
FiltPinTrq_HwNm_T_f32	16.9799995		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
MotorVelCRF_MtrRadpS_T_f32	-48		
RelHwPos_HwDeg_T_f32	385.579987		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	196		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	86		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	187		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18.7000008		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	100		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	800969984		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000845999981		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288		
tgt_GetSystemTime_mS_u32_CurrentTime	1316564736		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	800969984	800969984	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc	1	1	•
		1.	

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~	

1

Name	Input Value		
AutoCntr Cnt T str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrq_HwNm_T_f32	18		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
MotorVelCRF MtrRadpS T f32	-42.099985		
RelHwPos HwDeg T f32	-1377.90002		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed Kph T f32	206		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	75.1100006		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	198.300003		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	19.1000004		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	65.4499969		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	33198		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	569984000		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2377.8999		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000847999996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000517999986		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880		
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192		
Name	Actual Value Expected Value	ue Resul	
Autocenter_f32()	0 0 ± 0.1	•	
tgt AutoCntr Cnt T str.Timer1 mS u32	2075080192 2075080192		

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192	2075080192	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2377.052	-2377.052	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.65 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Elapsed	Гime	
FiltPinTrq_HwNm_T_f32	1		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	75		
RelHwPos_HwDeg_T_f32	-1380.59998		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216.320007		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	98		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	200		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	1.5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	87.3000031		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	13352		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	0		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000850000011		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	954802432	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
DtrmnFlansedTime_mS_u32	1	DtrmnFlansedTime_mS_u32	1	_

Test Step 2.66 (Repeat Count = 1)	→
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	2
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-15
RelHwPos_HwDeg_T_f32	703.02002

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Name	Input Value		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	226		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	66		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	187		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.20000005		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	25.0200005		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	60000		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1720406272		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000852000026		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000522000017		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000		
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080	2728878080	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1720406272	1720406272	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

Test Step 2.67 (Repeat Count = 1)	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrg HwNm T f32	4		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Current	Time	
MotorVelCRF_MtrRadpS_T_f32	26.5	Time	
RelHwPos_HwDeg_T_f32	829.530029		
VehSpdValid Cnt T Igc	1		
VehicleSpeed Kph T f32	236		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	34.25		
tgt AutoCntr Cnt T str.VehSpd kph f32	224		
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	4.80000019		
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	86		
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	33198		
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	18774		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2659241984		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000853999984		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000523999974		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760		
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008	4164171008	-
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	1	1	•

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.68 (Repeat Count = 1) Name	Input Value			
	The second secon			
AutoCntr_Cnt_T_str DtrmnElapsedTime mS u32(ElapsedTime)	tgt_AutoCntr_Cnt_T_str			
FiltPinTrg HwNm T f32	rgi_DiffinElapsedTime_ms_us	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
		CurrentTime		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	65			
RelHwPos_HwDeg_T_f32	731.700012			
VehSpdValid_Cnt_T_lgc	7			
VehicleSpeed_Kph_T_f32				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76.3199997			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.20000005			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42.0200005			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	543323			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	0			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000814000028			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696400006			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344			
tgt_GetSystemTime_mS_u32_CurrentTime	1358028288			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	-1845.02002	-1845.02002 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1358028288	1358028288	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	0	0	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997	2576.71997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997	2576.71997		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc	1	1		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.69 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	6.65999985	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	159	
RelHwPos_HwDeg_T_f32	1123.40002	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	246.119995	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	2	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84.2099991	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6	

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	56		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000855999999		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000525999989		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104		
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1975593216	1975593216	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295	4294967295	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tqt DtrmnElapsedTime mS u32	ElapsedTime	
FiltPinTrg HwNm T f32	14	- '	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 C	urrentTime	
MotorVelCRF MtrRadpS T f32	1100		
RelHwPos_HwDeg_T_f32	-378.170013		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	84		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120.120003		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.0100002		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	26195		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3304439296		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	65489		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000858000014		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000528000004		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2894938880		
tgt_GetSystemTime_mS_u32_CurrentTime	910116864		
Name	Actual Value	Expected Value	Resu
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	910116864	910116864	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	65489	65489	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	



Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	

Test Step 2.71 (Repeat Count = 1) Name	Input Value		
	· ·		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	0 FldT:	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u3	2_Elapsed lime	
FiltPinTrq_HwNm_T_f32	2	O	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	SurrentTime	
MotorVelCRF_MtrRadpS_T_f32	752		
RelHwPos_HwDeg_T_f32	-444.839996		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	146		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	566.22998		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	156		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.1099999		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	49475		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	49475		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	824746752		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	402713344		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000910000002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000568000018		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344		
tgt_GetSystemTime_mS_u32_CurrentTime	0		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0	0	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	402713344	402713344	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	

Test Step Call Trace					~
F	actual Function	Count	Expected Function	Count	Result
(SetSystemTime mS u32	1	GetSystemTime mS u32	1	~

Test Step 2.72 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5.5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-158
RelHwPos_HwDeg_T_f32	-480.880005
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	156.600006
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	75
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	43128
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4178051584
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000912000018

 $tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc$

Autocenter_f32

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Input Value tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -480.880005 $tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$ 0.000569999975 tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc 0 tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc 0 tgt_DtrmnElapsedTime_mS_u32_ElapsedTime 3714197504 4294967295 $tgt_GetSystemTime_mS_u32_CurrentTime$ **Expected Value** Name Actual Value Result Autocenter_f32() 0 ± 0.1 4294967295 4294967295 $tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32$ tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 4178051584 4178051584 $tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$ -480.880005 -480.880005 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -480.880005 -480.880005 $tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc$ 0 0 tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc 0 0 tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc 1 1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

0

Test Step 2.73 (Repeat Count = 1)			
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	4		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	currentTime	
MotorVelCRF_MtrRadpS_T_f32	1100		
RelHwPos_HwDeg_T_f32	710.950012		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	166		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	10.21		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	176		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4077829376		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000904000015		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00057199999		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832		
tgt_GetSystemTime_mS_u32_CurrentTime	255468		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	0	0 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	255468	255468	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4077829376	4077829376	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	

Test Step Call Trace					~
	Actual Function	Count	Expected Function	Count	Result
	GetSystemTime mS u32	1	GetSystemTime mS u32	1	~



Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	5			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	100			
RelHwPos_HwDeg_T_f32	-833.309998			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	134			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	126			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	126			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	25			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	20423			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1358028288			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000904000015			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000561999972			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	0			
tgt_GetSystemTime_mS_u32_CurrentTime	2942063360			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	0	0 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1358028288	1358028288	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0		

Test Step Call Trace					
	Actual Function	Count	Expected Function	Count	Result
	DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.75 (Repeat Count = 1)	√
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	3
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	120
RelHwPos_HwDeg_T_f32	-1124.05005
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	154
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124.25
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	7034
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1975593216
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000905999972
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2124.05005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000563999987
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295

 $tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc$

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Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	999.436035	999.435974 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1975593216	1975593216	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2123.48608	-2123.48608	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~	

Test Step 2.76 (Repeat Count = 1)			✓	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrq_HwNm_T_f32	1			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime		
MotorVelCRF_MtrRadpS_T_f32	-425.220001			
RelHwPos_HwDeg_T_f32	-136.300003			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	158			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	456			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	146			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	56.2999992			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	25532			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	910116864			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000907999987			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	255468			
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	0	0 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080	2728878080	~	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3714197504	3714197504		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003	~	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~	

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~		
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓		
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	•		



Test Case 3: Path Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS3.1 1885.00 Cycles
TS3.2 1257.00 Cycles
TS3.3 1767.00 Cycles
TS3.4 1844.00 Cycles
TS3.5 1176.00 Cycles
TS3.6 1791.00 Cycles
TS3.7 747.00 Cycles
TS3.8 1784.00 Cycles
TS3.8 1784.00 Cycles
TS3.9 676.00 Cycles
TS3.10 676.00 Cycles

Description

Vector Description:

```
TS3.1"( (Abs_f32_m(MotorVelCRF_MtrRadpS_T_f32) <= AutoCntr_Cnt_T_str->WtrVel_MtrRadpS_f32) && (VehicleSpeed_Kph_T_f32) >= AutoCntr_Cnt_T_str->VehSpd_kph_f32) && (VehicleSpeed_Kph_T_f32) >= AutoCntr_Cnt_T_str->FillPinTrq_HwNm_f32) ))=True (AutoCntr_Cnt_T_str->FillerInTang_HwNm_T_f32) <= (AutoCntr_Cnt_T_str->FillerInTang_HwNm_f32) ))=True ((AutoCntr_Cnt_T_str->FillerIntang_Cnt_lgc == D_FALSE_CNT_LGC) && (TimertIngsed_mS_T_u32) >= AutoCntr_Cnt_T_str->FillPinTrq_HwNm_f32) ))=True (AutoCntr_Cnt_T_str->FillerIntang_Cnt_lgc == D_FALSE_CNT_LGC) && (TimertIngsed_mS_T_u32) >= AutoCntr_Cnt_T_str->TimertThresh_mS_u16) )=True (AutoCntr_Cnt_T_str->FillerIntang_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_str->Filler2Enable_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_str->Filler1Initialized_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_str->Filler1Initialized_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_str->Filler2Enable_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_
```

Test Step 3.1 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTin	me	
FiltPinTrq_HwNm_T_f32	5		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-888		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3533260288		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000503999996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000503999996		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1312.33826	-1312.33826 ± 0.1	~

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.338257	424.338257	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓	

Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrq HwNm T f32	5		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Currer	ntTime	
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-888		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	812314880		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000506000011		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000506000011		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	-1312.33569	-1312.33557 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	812314880	812314880	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.335632	424.335632	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~	

Test Step 3.3 (Repeat Count = 1)	→
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	0
RelHwPos_HwDeg_T_f32	-888





Name	Input Value		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000508000026		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1312.33301	-1312.33301 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.333008	424.333008	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
DtrmnElapsedTime mS u32	1	DtrmnElapsedTime mS u32	1	_

Test Step 3.4 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedT	ime	
FiltPinTrq_HwNm_T_f32	5		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-888		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2704864000		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000509999983		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000509999983		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1313	-1313 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	887.094238	887.094238	~

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	✓

Name	Input Value				
AutoCntr Cnt T str	· ·	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)		tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrg HwNm T f32	5				
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 0	CurrentTime			
MotorVelCRF MtrRadpS T f32	0				
RelHwPos HwDeg T f32	-888				
VehSpdValid_Cnt_T_lgc	1				
VehicleSpeed_Kph_T_f32	216				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	53				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	85				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000511999999				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999				
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088				
tgt_GetSystemTime_mS_u32_CurrentTime	954802432				
Name	Actual Value	Expected Value	Resul		
Autocenter_f32()	-1312.32776	-1312.32776 ± 0.1	•		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344	2167769344	•		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.327759	424.327759	•		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•		

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

Test Step 3.6 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	5	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	0	
RelHwPos_HwDeg_T_f32	-888	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	216	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34	

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	85		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	662694400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000514000014		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000514000014		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080	2728878080	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	-
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓

T4 04-9 0.7 (B-9-4 094 - 4)			
Test Step 3.7 (Repeat Count = 1)	Innut Value		
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Elapse	dlime	
FiltPinTrq_HwNm_T_f32	15		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTir	ne	
MotorVelCRF_MtrRadpS_T_f32	63		
RelHwPos_HwDeg_T_f32	-1600		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	186		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	66		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	86		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	824746752		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2303132928		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000515999971		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360		
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2303132928	2303132928	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 3.8 (Repeat Count = 1)			✓	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrg HwNm T f32	5			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	0			
RelHwPos_HwDeg_T_f32	-888			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	216			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	45			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	85			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000517999986			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000517999986			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	500			
tgt_GetSystemTime_mS_u32_CurrentTime	954802432			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	-1313	-1313 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	•	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	-	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	-	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 3.9 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	5	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	0	
RelHwPos_HwDeg_T_f32	-888	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	216	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40000	

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000520000001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	30000		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1313	-1313 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	2836768512	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str				
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_E	tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrq_HwNm_T_f32	5				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curr	entTime			
MotorVelCRF_MtrRadpS_T_f32	0	0			
RelHwPos_HwDeg_T_f32	-888				
VehSpdValid_Cnt_T_lgc	1				
VehicleSpeed_Kph_T_f32	216				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821				
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736				
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000520000001				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026	0.000508000026			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0				
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088				
tgt_GetSystemTime_mS_u32_CurrentTime	954802432				
Name	Actual Value	Expected Value	Resu		
Autocenter_f32()	0	0 ± 0.1			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	•		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1			
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1			

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Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~