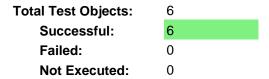
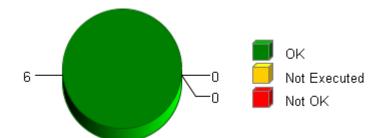


Summary

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

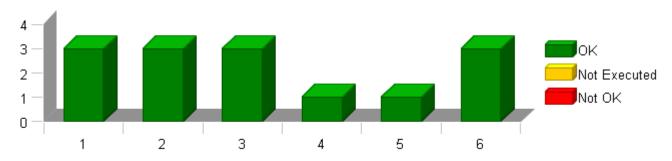
Check Interface: No
Generate Driver: No
Execute Test: Yes
Create New Test Run: No

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)

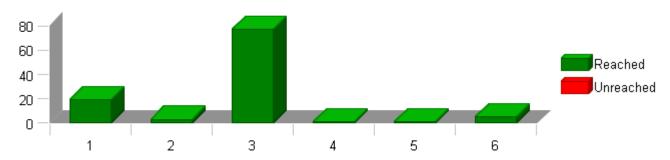


The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results



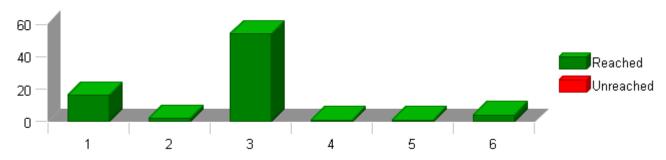
do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

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



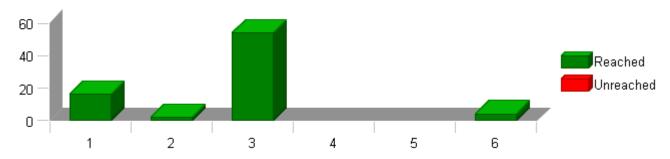
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

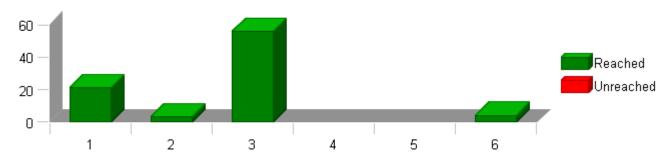


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



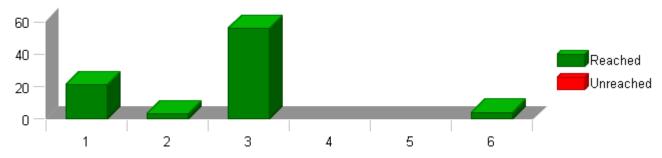
MC/DC Coverage: Total Condition Combinations for Each Test Object



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 Object List

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 Res	sult
	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	<u>VehDyn_Init1</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	~
3	<u>VehDyn_Per1</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	•
4	<u>VehDyn SCom ForceCenter</u>	100 %	100 %	-	-	-	1 of 1 passed	~
5	<u>VehDyn SCom ResetCenter</u>	100 %	100 %	-	-	-	1 of 1 passed	•
6	<u>VehDyn_Trns1</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	~

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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	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false

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VehDyn_Trns1



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	-	

T				✓
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	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	target_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	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	-1600	-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	•		

T				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 2.2 (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	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	~

T				✓
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_	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	✓

T				✓
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	•

Т				✓
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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VehDyn_Trns1

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	•

T					
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	✓

T				✓
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_	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_t	f32	
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 Igc	1	1	-

T				✓
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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VehDyn_Trns1

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	~

T				
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	~

T				✓
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	

T ·				
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 Igc	1	1	✓

T				
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_f32		
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	~

T				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)			✓
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	~

Τ				✓
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 2.14 (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_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 2.15 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_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_f	32	
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_f	32	
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_UIs_f32	0.112000003		
k_SysKinRatio_MtrDegpHwDeg_f32	23.7000008		
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_t	T32	
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	0.899999976		
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)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.219999999		
k_SysKinRatio_MtrDegpHwDeg_f32	22		
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	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_Uls_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	~

T				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
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 1600 1600		~	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~

T				~
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



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_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	1		
Name	Actual Value	Expected Value	Result
urget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 0 0		~	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	~

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VehDyn_Per1



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

Name	Text
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):201
	Total CALS Used (Bytes):115
	Special Test Requirements: Test Date: 09-15-2015
	Test Date:09-19-2015
	NOTE2: "CBD Sandbox dbg.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.tpl	
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	S(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

Vector Description:

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 && ((VehDyn_MinOffset_HwDeg_M_f32>=((CcwEOTPosition_HwDeg_T_f32
OffsetRelHwPos_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 > L_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE &&

(VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE && (SnsrlessHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE

&&(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"

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	10.1000004
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.099985
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
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	10.6999998

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VehDyn_Per1



			(10 10 10 10
Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.7000008		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.69999981		
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_AutoCntrl_oSpd_M_str.Timer1_mS_u32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosEilt1SV/_HwDeg_str.SV/_Llls_f32	3174948758 -880.02002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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 Igc	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	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_SLPHwPos_HwDos_Hw	0.926999986 -1548.10999		
VehDyn_SLPHwPos_HwDeg_M_f32			
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32	1316564736 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_TravelXCHwAuthority_Uls_f32	0.0203000009		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	65		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	Ti 1117112832		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTim$	ne 1316564736		
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		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
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	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_lge		
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_f3 target_VehDyn_Per1_TorqueCmdCRF_Mt		
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	-1413.10999	102	
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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.1399994		
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	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	
VehDvn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDea str.SV Uls f32	-880.02002	-880.02002 ± 0.0009	•

-880.02002

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

-880.02002 ± 0.0009

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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	~

T				✓
Actual Function	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 1.2 (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	0
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
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_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
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 Igc	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_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
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	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	1050692864		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	0.00120000006		
k_LoSpdVDAuthority_Uls_f32	0.899999976		
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_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	509_102	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32	target VehDyn Per1 SrlHwAg HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
0	target veribyli Ferr TorqueCiliqCRF Willin	m f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32		ıt_lgc	
	target_VehDyn_Per1_VehicleSpeedValid_Cr	ıt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3:	ıt_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: -430.290009	ıt_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: -430.290009 1076.80298	ıt_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: -430.290009 1076.80298 -1.11000001	ıt_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_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001	ıt_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_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001 -456 -714.090027	ıt_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_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999	ıt_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_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999	ıt_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_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999	ıt_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_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value	t_lgc 2 Expected Value	Result
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 Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0	t_lgc 2 Expected Value 0	~
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_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	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0	Expected Value 0 1024	✓
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_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_MtrQc.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	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -430.290009 1076.80298 -1.11000001 -456 -714.090027 0 -1312.13 -4.5999999 0 230 Actual Value 0 1024 54822322	Expected Value 0 1024 54822322	\ \ \
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_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 Name 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	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -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_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_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_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	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -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_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_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 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	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -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	Expected Value 0 1024 54822322 -714.090027 ± 0.0009 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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_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	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -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	Expected Value 0 1024 54822322 -714.090027 ± 0.0009 0 0	Result
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_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 Name 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.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	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -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	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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_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	target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: -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	Expected Value 0 1024 54822322 -714.090027 ± 0.0009 0 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

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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" Instrum 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 2.18 1262.00 Cycles TS 2.19 1051.00 Cycles TS 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
TS 2.29 1062.00 Cycles 2.29 1062.00 Cycles 2.30 1262.00 Cycles 2.31 1044.00 Cycles 2.32 1032.00 Cycles 2.33 1044.00 Cycles 2.34 1044.00 Cycles 2.35 1045.00 Cycles 2.36 1265.00 Cycles TS TS TS TS TS TS TS 2.37 1055.00 Cycles 2.38 1251.00 Cycles 2.39 1253.00 Cycles 2.40 1264.00 Cycles TS TS TS 2.39 1253.00 Cycles TS 2.40 1264.00 Cycles TS 2.41 1063.00 Cycles TS 2.41 1063.00 Cycles TS 2.42 1259.00 Cycles TS 2.43 1048.00 Cycles TS 2.44 1259.00 Cycles TS 2.45 1046.00 Cycles TS 2.46 1054.00 Cycles TS 2.47 1033.00 Cycles TS 2.48 1272.00 Cycles TS 2.49 1049.00 Cycles TS 2.50 1267.00 Cycles TS 2.51 1033.00 Cycles TS 2.52 1251.00 Cycles TS 2.52 1251.00 Cycles TS 2.51 1033.00 Cycles
TS 2.53 1046.00 Cycles
TS 2.53 1046.00 Cycles
TS 2.54 1265.00 Cycles
TS 2.55 1033.00 Cycles
TS 2.55 1033.00 Cycles
TS 2.56 1251.00 Cycles
TS 2.57 1049.00 Cycles
TS 2.58 1270.00 Cycles
TS 2.59 1052.00 Cycles
TS 2.60 1049.00 Cycles
TS 2.61 1063.00 Cycles
TS 2.62 1263.00 Cycles
TS 2.63 1049.00 Cycles
TS 2.64 1253.00 Cycles
TS 2.65 1275.00 Cycles
TS 2.66 1283.00 Cycles
TS 2.67 1036.00 Cycles
TS 2.68 1034.00 Cycles
TS 2.69 1267.00 Cycles
TS 2.70 1048.00 Cycles
TS 2.71 1266.00 Cycles
TS 2.71 1066.00 Cycles
TS 2.71 1064.00 Cycles
TS 2.73 1064.00 Cycles
TS 2.73 1064.00 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

VehDyn_Per1



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 TS TS TS TS 1249.00 Cycles 1052.00 Cycles 1266.00 Cycles 1032.00 Cycles 2.120 2.121 2.122 2.123 2.124 TS TS TS 1265.00 Cycles 1289.00 Cycles 1269.00 Cycles 2.125 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 2.157 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
\$2.168 387.00 Cycles
\$2.168 387.00 Cycles
\$2.169 1270.00 Cycles
\$2.170 1045.00 Cycles
\$2.171 1264.00 Cycles
\$2.172 1032.00 Cycles
\$2.173 1269.00 Cycles
\$2.174 1044.00 Cycles
\$2.175 1048.00 Cycles
\$2.175 1048.00 Cycles
\$2.177 1047.00 Cycles
\$2.178 1049.00 Cycles
\$2.178 1049.00 Cycles
\$2.179 1266.00 Cycles
\$2.180 1048.00 Cycles
\$2.181 1250.00 Cycles
\$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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VehDyn_Per1



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 = Max
TS 2.85VehDyn_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 2.131VehDyn_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_Str.SV = Min TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwDeg_str.SV = Min TS 2.146VehDyn_Str.SV = Min TS 2.146VehDyn_Str.SV = Min TS
 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
 IS 2.219VehDyn_SLPHWPos_HwDeg_M_T32 = Zero
TS 2.220VehDyn_SLPHwPos_HwDeg_M_T32 = Pos
TS 2.221VehDyn_SLPHwPos_HwDeg_M_T32 = Neg
TS 2.222VehDyn_SLPHwAuth_Uls_M_T32 = Min
TS 2.223VehDyn_SLPHwAuth_Uls_M_T32 = Max
TS 2.224VehDyn_SLPHwAuth_Uls_M_T32 = Pos
TS 2.225VehDyn_ForceCenterOffset_HwDeg_M_T32=Neg
TS 2.226VehDyn_ForceCenterOffset_HwDeg_M_T32=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 2.230SillwAg_HwDeg_f32=Pos
TS 2.237SillwAg_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=default
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
```

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

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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 VehDvn Per1 VehicleSpeed Kph f32 value	0

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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
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	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 Inst An Valorina Valorina Deed ConstOT Hulbert 600	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_Uis_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





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Name	Input Value		
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	•
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	✓

Т				
Actual Function	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_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

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
	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
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 Igc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	125.099998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
	3.7999995
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
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
	-172.389999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
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	4.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
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_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn ForceCenterEnabled Cnt M Igc	0
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	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	1050692864
k_HiSpdVDAuthority_Uls_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_TraveIXCHwAuthority_UIs_f32	0.0153999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target_GetSystemTime_mS_u32_CurrentTime	4243378688
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	2659241984
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_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_TorqueC	cmdCRF_MtrNm_f32	
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	-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_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	١ ،
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	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	

Τ				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 2.4 (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_HwI	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_VehicleSpeed	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_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	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	3039943680	3039943680	~	

Τ				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	~

0.889999986

0

0.889999986 ± 0.004

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_SensorlessAuthority_Uls_f32.value

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 HwDeg #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

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Name Input Value

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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_AutoCotrDetSpd_M_str.Timer1Thresh_mS_u16	53759 18715
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 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.ReiHwPosFilt1SV_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_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.5
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.Timer2Thresh_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_UIs_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000126600004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	995.5
VehDyn_AutoCntrl-iSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 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	73.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.1999981
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_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	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_lgc	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 -1419.10205
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_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_Uls_f32	0.870000005
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_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	1117112832
target_GetSystemTime_mS_u32_CurrentTime	1316564736
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	1736795392
	133
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	125

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_HwN	m_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M	ltrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	target_VehDyn_Per1_RelHwPos_HwDeg_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_SensorlessHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnf	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_Igc	target_VehDyn_Per1_VehicleSpeedVa	llid_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	-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			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	- recount	
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		
	1316564736	1316564736		
VehDyn_AutoCntrl oSpd_M_str.Timer1_mS_u32	2967684784	2967684784		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	995.5			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		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			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V	
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	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	Y	
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.69999988	0.69999988 ± 0.004	~	
target VehDvn Per1 SensorlessHwPos HwDeg f32.value	0	0 ± 0.1	✓	

T				✓
Actual Function	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	~

0 ± 0.1

0

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	7.0999999
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_AutoChtrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_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
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	5.099999
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
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6999998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.700008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.6999981
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VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.700008
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
	-1346.10999 54689
VehDyn_SrlHwAgVldTimer_mS_M_u32	
K_HiSpdVDAuthority_Uls_f32 A Landau Table 1 (a) 1 (a) 1 (b) 1 (a) 1 (b) 1 (b) 1 (b) 1 (c) 1	0.75999999
K_HwTqMgnThd_HwNm_f32	1.10000002
<_LoSpdVDAuthority_UIs_f32	0.560000002
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992
k_TravelXCDeadband_Uls_f32	7.01000023
k_TraveIXCHwAuthority_Uls_f32	0.0203000009
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392

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Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
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	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	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	-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 Igc	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 Igc	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_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	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	~
w.got_10	T*	V = V.1	

T				✓
Actual Function	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
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	0
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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
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/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
/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.ReiHwPosFilt2SV_HwDeg_str.Sv_Dis_i32	2.51327106e-006
	2.5132/106e-006 0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	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_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
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/ehDyn_SrlHwAgVldTimer_mS_M_u32	0
x_HiSpdVDAuthority_Uls_f32	0
C_HwTqMgnThd_HwNm_f32	0
x_LoSpdVDAuthority_UIs_f32	0
c_SrlHwAgVldTiThd_mS_u32	0
c_SysKinRatio_MtrDegpHwDeg_f32	1





Input Value		
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	VDeg_f32	
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Actual Value	Expected Value	Result
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0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 -1600 ± 0.009 0 0 0 0 0 0 1 1 0 0 360 -1440.10999	
0	0 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.009 0 0 0 0 -1600 ± 0.009 0 0 0 0 0 0 11 0 0 0 11 0 360 -1440.10999 -18.7999744 ± 0.00009	
	0 0 0 0 1 1 0 0 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f3: target_VehDyn_Per1_MotorVelCRF_MtrRac target_VehDyn_Per1_SensorlessAuthority_L target_VehDyn_Per1_SensorlessAuthority_L target_VehDyn_Per1_SensorlessAuthority_L target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1440.10999 360 0 -1118 -1600 0 -1600 -8.80000019 0 0 Actual Value	0 0 0 0 1 0 0 1 0 0 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1440.10999 360 0 -1118 -1600 0 -1600 -8.80000019 0 Actual Value Expected Value

T				✓
Actual Function	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	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.Timer2Thresh_mS_u16	53946
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
ehDyn_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
ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	40437
· - · ·	13059
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	
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
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_Igc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.099985
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	6.19999981
· - · ·	41.099985
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
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	2.90000007e-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
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.FilterInitialized_Cnt_lgc	1
enDyn_AutoCntrLoSpd_w_str.Filter2initialized_Cnt_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_Uls_f32	15.1999998
	0.000261000008
ehDyn_PinTrqSV_M_str.K_Uls_f32	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 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_btrmnElapsedTime_mS_u32_ElapsedTime			
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_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	<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_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	-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		
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	l=	l =
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	3174948758	1 3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	J
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	j
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	•
	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc			
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	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	
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 437658624	1 1 437658624	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	1 1 437658624 1024	1 1 437658624 1024	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	1 1 437658624 1024 731.700012	1 1 437658624 1024 731.700012 ± 0.0009	
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 437658624 1024 731.700012 731.700012	1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 1 437658624 1024 731.700012 731.700012 0 1	1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 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 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 437658624 1024 731.700012 731.700012 0 1	1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 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 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	1 1 437658624 1024 731.700012 731.700012 0 1 1 0 3174948758	1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758	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_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1 1 437658624 1024 731.700012 731.700012 0 1 1 0 3174948758	1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 1 0 3174948758	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_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	1 1 437658624 1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012	1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 1 0 3174948758 1024 731.700012 ± 0.0009	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.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1 1 437658624 1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012 731.700012 1 0 0 1 1 1 1 1 1 1 1 1-247.390015	1 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 1 0 0 1 1 1 1 1 1 1 1 -247.389999	
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.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.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 VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 1 437658624 1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012 731.700012 1 1 0 0 1 1 1 1 1 1 1 1-247.390015 -1372.31396	1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 1 0 0 1 1 1 1 1 1 1 1-247.389999 -1372.31396	•
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_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc 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.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_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	1 1 437658624 1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012 731.700012 1 1 0 0 1 1 1 1 1 1 1-247.390015 -1372.31396 15.1974678	1 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 1 0 0 1 1 1 1 1 1 1 1 -247.389999	
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.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.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_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 1 437658624 1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012 731.700012 1 1 0 0 1 1 1 1 1 1 1 1-247.390015 -1372.31396	1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 1 1 1 1 1 1 1 1 1 1-247.389999 -1372.31396 15.1974688 ± 0.00009	

T				✓
Actual Function	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 2.10 (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	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	75.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.099985
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 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	2 32.2999992
7 = 1 = = 0=	1 1111
VehDyn_AutoCntrlliSpd_M_str.Timer1Thresh_mS_u16	12258 36416
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 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
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_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
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	-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_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	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_UIs_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999985
VehDyn_SLPHwAuth_Uls_M_f32	0.882000029
VehDyn_StPHwPos_HwDeg_M_f32	-1517.32996
VehDyn_SrlHwAgVldTimer_mS_M_u32	12
k_HiSpdVDAuthority_UIs_f32	0.637000024 0.00120000006
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	U





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 ElapsedT	1759885568		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	12		
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_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	-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		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	35.8899994		
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	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	V
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			~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682 -293.049988	3796740682 -293.049988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	
VehDyn_AutoCntrhiSpd_M_str.Filter1Enable_Cnt_lgc	-293.049966	-293.049988 ± 0.0009	-
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	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_UIs_f32	17.79356	17.79356 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32			~
	12	12	_
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	12	12 1 ± 0.004	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value			~



Τ				✓
Actual Function	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
Chibyri_i hopaLeanit_Ont_ivi_igc	i ·

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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.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_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	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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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	✓

T				✓
Actual Function	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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66.0999985
86.1999969
4.0999999
52.2000008
29076
43868
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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_Uls_f32	0.277799994		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	703		
k_SysKinRatio_MtrDegpHwDeg_f32	41.5		
k_TravelXCDeadband_Uls_f32	14.21		
k_TravelXCHwAuthority_UIs_f32	0.0264250003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408		
target_GetSystemTime_mS_u32_CurrentTime	4164171008		
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_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		vDeg_i32	
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_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	-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			
Name	38.8800011		
Traino	38.8800011 Actual Value	Expected Value	Result
	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	1	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 1 2967684784	1 2967684784	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	Actual Value 1 2967684784 4211268631	1 2967684784 4211268631	*
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	Actual Value 1 2967684784 4211268631 -177.479996	1 2967684784 4211268631 -177.479996 ± 0.0009	*
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	Actual Value 1 2967684784 4211268631 -177.479996 -177.479996	1 2967684784 4211268631 -177.479996 ± 0.0009 -177.479996 ± 0.0009	* * * *
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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.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.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.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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 2967684784 4211268631 -177.479996 -177.479996 1 1 0 0 4164171008 4211268631 -177.479996 0 0 0 1 4164171008 4211268631 -177.479996 0 0 0 1 1 11108 4211268631 -177.479996 -177.479996 0 1 1 1 1	1 2967684784 4211268631 -177.479996 ± 0.0009 1 1 0 0 4164171008 4211268631 -177.479996 ± 0.0009 0 0 1 4164171008 4211268631 -177.479996 ± 0.0009 0 0 1 4164171008 4211268631 -177.479996 ± 0.0009 0 1 1 177.479996 ± 0.0009 0 1 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Spable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spads2	Actual Value 1 2967684784 4211268631 -177.479996 -177.479996 1 1 0 0 4164171008 4211268631 -177.479996 0 0 1 1 4164171008 4211268631 -177.479996 0 0 1 1 1 1 1 0 0 0 1 1 1 1 0 0 0	1 2967684784 4211268631 -177.479996 ± 0.0009 -177.479996 ± 0.0009 1 1 0 0 4164171008 4211268631 -177.479996 ± 0.0009 0 0 0 1 4164171008 4211268631 -177.479996 ± 0.0009 0 0 1 1 1100 0 1 1 100 0 1 1 1 0 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

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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	✓

T				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	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	
ehDyn_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

@ Report created by TESSY V3.1.12, report template V2.1





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	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc			
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	419.078003 -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_TraveIXCHwAuthority_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		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	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_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	Im. 622	
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_HwDeg_f32.value	-1375.55005	2	
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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0 0	0	Ž
			V
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	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 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 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 1 1 437658624 1024 731.700012	0 1 1 437658624 1024 731.700012 ± 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 437658624 1024 731.700012 731.700012	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009	
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 1 1 437658624 1024 731.700012 731.700012	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009	
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 1 1 437658624 1024 731.700012 731.700012 0	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0	0
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.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 437658624 1024 731.700012 731.700012 0 1	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 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 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 1 437658624 1024 731.700012 731.700012 0 1	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 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.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 1 1 437658624 1024 731.700012 731.700012 0 1 1 1 0 3174948758	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 1 0 3174948758	
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_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 1 1 437658624 1024 731.700012 731.700012 0 1 1 1 0 3174948758	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 1 0 3174948758	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.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 1 1 437658624 1024 731.700012 731.700012 0 1 1 1 0 3174948758 1024 731.700012	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009	
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_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 437658624 1024 731.700012 731.700012 0 1 1 1 0 3174948758 1024 731.700012	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009	
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.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 1 1 437658624 1024 731.700012 731.700012 0 1 1 0 3174948758 1024 731.700012 731.700012	0 1 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009	
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.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 1 437658624 1024 731.700012 731.700012 0 1 1 1 0 3174948758 1024 731.700012	0 1 1 437658624 1024 731.700012 ± 0.0009 731.700012 ± 0.0009 0 1 1 0 3174948758 1024 731.700012 ± 0.0009 731.700012 ± 0.0009	

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VehDyn_Per1

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	✓

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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_Igc	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_UIs_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_Uls_f32	0.89999976		
k_HwTqMgnThd_HwNm_f32	4.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	1000		
k SysKinRatio MtrDegpHwDeg f32	88.3000031		
k TravelXCDeadband Uls f32	17.0900002		
k_TraveIXCHwAuthority_UIs_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:	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_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	- 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_C		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed Kph f3		
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	4.400001		
target VehDyn Per1 VehicleSpeedValid Cnt lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.140015		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	Resul
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.Timer1_ms_us2 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_us2	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	-968.400024 ± 0.0009	
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	
	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc			
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-968.400024 068.400024	-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	`

0

0

0

3941357312

-968.400024

-968.400024

54822322

0

0

0

3941357312

-968.400024 ± 0.0009

-968.400024 ± 0.0009

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 $VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc$

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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_Per1





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	~

T				
Actual Function	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) etSystemTime mS_u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
, = = \ ,	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	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
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	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.Timer2Thresh_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_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_UIs_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_UIs_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			
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		
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_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	-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_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_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc			•
	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32			-
	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 3304439296	1 3304439296	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 3304439296 109643620	1 3304439296 109643620	
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 3304439296 109643620 49.4199982	1 3304439296 109643620 49.4199982 ± 0.00009	•
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 3304439296 109643620 49.4199982 49.4199982	1 3304439296 109643620 49.4199982 ± 0.00009 49.4199982 ± 0.00009	
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	1 3304439296 109643620 49.4199982 49.4199982 0	1 3304439296 109643620 49.4199982 ± 0.00009 49.4199982 ± 0.00009	
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 3304439296 109643620 49.4199982 49.4199982 0	1 3304439296 109643620 49.4199982 ± 0.00009 49.4199982 ± 0.00009 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	1 3304439296 109643620 49.4199982 49.4199982 0 1	1 3304439296 109643620 49.4199982 ± 0.00009 0 1	•



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	~

T				✓
Actual Function	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_SirlHwAgy	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_IniTrqSV_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_Igc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 VehDyn_ForceCenterEnabled_Cnt_M_Igc 0 VehDyn_ForceCenterEnabled_Cnt_M_Igc 0 VehDyn_ForceCenterCffset_HwDeg_M_f32 -800.859985 VehDyn_Initialize_Cnt_M_Igc 0 VehDyn_Initialize_Cnt_M_Igc 0 VehDyn_LoSpdLeamt_Cnt_M_Igc 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 -14.8000002 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.386999995 VehDyn_SI-PHwPos_HwDeg_M_f32 -1178.75 VehDyn_SI-PhwPos_HwDeg_M_f32 1178.75 VehDyn_SribwAgVIdTimer_mS_M_u32 123 K_HwTQMgnThd_HwMm_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 8.80999985	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_Re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 3941357312 target_Re_Call_Ap_VehDyn_SystemTime_DetSystemTime_mS_u3	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		
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_SLPHwAps_HwDeg_M_f32 -1178.75 VehDyn_SrlHwAgVIdTimer_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 88.0999985 k_TravelXCDeadband_Uls_f32 58.8499985 k_TravelXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_CurrentTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 39941357312 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 123 target_Rte_lnst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Nebyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	Deg_f32		
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_Uls_f32 0.999000013 k_HwTqMgnThd_HwNm_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SysKinRatio_MtrDegpHwDeg_f32 88.0999985 k_SysKinRatio_MtrDegpHwDeg_f32 88.0999985 k_TraveIXCDeadband_Uls_f32 88.0999985 k_TraveIXCHwAuthority_Uls_f32 0.0644000024 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_CurrentTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_Hw </td <td>Deg_f32</td> <td></td>	Deg_f32		
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 -14.800002 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 0 k_SrlHwAgVldTiThd_mS_u32 0 k_SysKinRatio_MtrDegpHwDeg_f32 88.0999985 k_TravelXCDeadband_Uls_f32 88.0999985 k_TravelXCDeadband_Uls_f32 0.0644000024 k_TravelXCHwAuthority_Uls_f32 0.0644000024 target_GetSystemTime_mS_u32_ElapsedTime 2478427648 target_GetSystemTime_mS_u32_ElapsedTime 3941357312 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTime 123 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_D	Deg_f32		
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 58.849985 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 atraget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_VehDyn_Per1_HwTorque_HwDeg_f32 target_VehDyn_VehDyn_Per1_HwTorque_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwDeg	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_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_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_Per1_SrlHwAgVld_VehDyn_Per1_SrlHwAgVld_VehDyn_VehDyn_Per1_SrlHwAgVld_VehDyn_V	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_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	✓	

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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_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	•

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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_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_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	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	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_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_OctOutcomTime_end_0.000_countTime_end_0.0000_countTime_end_0.000_countTime_end_0.0000_countTime_			
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 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_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	-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_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	-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	1.2999995		
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	•
Vola Dura Auto Cata Dat Card M. ct. Elita OF a Lita Oct.	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0		•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
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 3304439296	1 3304439296	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•





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	~

Τ				✓
Actual Function	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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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_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	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_UIs_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	5.44999981			
k_LoSpdVDAuthority_UIs_f32	0.899999976			
k_SrlHwAgVldTiThd_mS_u32	4856			
k_SysKinRatio_MtrDegpHwDeg_f32	41.2999992			
k_TravelXCDeadband_Uls_f32	55.9700012			
k_TravelXCHwAuthority_UIs_f32	0.0619499981			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760	4129141760		
target_GetSystemTime_mS_u32_CurrentTime	4164171008			
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTim$	Ti 824746752			
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u30_CurrentTim$	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_	<u>f</u> 32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNr	n_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mt	rRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	eg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthor	rity_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo	s_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_	<u>lgc</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_	MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVal	d_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	-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_SriHwAg_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			
Name	Actual Value	Expected Value	Resul	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	, toda	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886		
VehDyn AutoCntrDetSpd_M_str.Timer1_mS_u32 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		
	1123.40002			
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32		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		

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VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32

2015-09-15, 13:22:52+0530



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_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	✓

T				✓
Actual Function	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





	I		
Name VahDun AutoCatel liSad M atr Filterd Facility 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	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 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 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 VehDyn_PinTrqSV_M_str.SV_UIs_f32	2840 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_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	100000		
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_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	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	m #22	
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_venDyn.VenDyn_Per1_venicieSpeed_valid_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	-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_SrlHwAg.HwDog.f32.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1600 8.80000019		
target_VehDyn_Per1_rorqueCmdCRr_withNm_isz.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	~

Name		Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCr	tr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_N	1_str.Timer1_mS_u32	4294967295	4294967295	•
VehDyn_AutoCntrDetSpd_N	1_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrDetSpd_N	1_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	•
VehDyn_AutoCntrDetSpd_N	1_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	~
VehDyn_AutoCntrDetSpd_N	1_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_N	1_str.Filter2Enable_Cnt_lgc	1	1	~





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_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	~

T				✓
Actual Function	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 2.20 (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	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000684000028
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000684000028
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	200.100006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000696400006

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VehDyn_Per1



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_AutoCotrl oSpd_M_str.Timer2_mS_u32	383750110 1576.71997		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_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_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	0.119999997		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	53.0999985		
k_TravelXCDeadband_Uls_f32	25.7299995		
k_TravelXCHwAuthority_Uls_f32	0.0362249985		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080		
target_GetSystemTime_mS_u32_CurrentTime	2430672128		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	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_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_f		
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	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_Mt	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_t		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	JJ2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-1331.72998 560.658997		
target_venDyn_Per1_CWEO1_HwDeg_132.value target VehDyn Per1 HwTorque HwNm f32.value	6.25		
target_vehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	0.25		
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	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Resul
	54822322	54822322	
VehDvn AutoCntrDetSnd M str Timer1 mS u32		U TULLULL	
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.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	383750110 1576.71997	383750110 1576.71997 ± 0.009	

1576.71997

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

 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_Uls_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	✓

T				✓
Actual Function	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	_

Name	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)	
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
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	69
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn 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	✓

T				✓
Actual Function	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
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
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	
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	539.700012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCotrl oSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCotrl oSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_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	355.5
VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	0.000688
VehDyn_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCotrl oSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCotrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	298.149994
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
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	6.32000017
k LoSpdVDAuthority Uls 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 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	-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	-1.60000002





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	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_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_Uls_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	✓

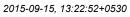
Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	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 2.23 (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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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
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 0.000820000016
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	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_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.30000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000690000015
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 1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	398.059998
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_gc	
VehDyn_MaxOffset_HwDeg_M_f32	468.997986
VehDyn_MinOffset_HwDeg_M_f32	-1305.474
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn PinTrgSV 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	0.699999988
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	45.099985
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_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_Dt	
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_Pen_mwTorque_nwnni_isz target_Rte_Inst_Ap_vehDyn.VehDyn_Pen1_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_SrlHwAgVld_Cnt_lgc
	0 _ 1 _ 0 _ · · · 0 - · · · · · · · · · · · · · · ·
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target VehDyn Per1 SrlHwAg HwDeq f32
	target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_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_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_TorqueCmdCRF_MtrNm_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_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc 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_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1312.94995





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	

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venbyn_ren	MACILA
lame	Input Value
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	580
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.099985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716 2138628886
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859200023
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000821999973
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	621.5
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.210007
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.1199989
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.3399997e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000691999972
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn ForceCenterOffset HwDeg M f32	497.970001
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn Initialize Cnt M Igc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn MaxOffset HwDeg M f32	473.98999
ehDyn MinOffset HwDeg M f32	-1298.79004
ehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000272000005
ehDyn_SLPHwAuth_Uls_M_f32	0.671999991
ehDyn_SLPHwPos_HwDeg_M_f32	-1373.68994
ehDyn_SrlHwAgVldTimer_mS_M_u32	463842816
HiSpdVDAuthority_Uls_f32	1
_HwTqMgnThd_HwNm_f32	1.5
_LoSpdVDAuthority_Uls_f32	0.400000006
_SrlHwAgVldTiThd_mS_u32	32
_SysKinRatio_MtrDegpHwDeg_f32	78.0999985
_TravelXCDeadband_Uls_f32	31.4899998
_TravelXCHwAuthority_Uls_f32	0.0411249995
rget_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
arget_GetSystemTime_mS_u32_CurrentTime	812314880
rget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
rget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
rget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
rget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
urget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
lrget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc lrget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
	target VehDyn Der1 TorqueCmdCDE MtrNm f22
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	





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 Igc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	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_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	-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	✓

T				✓
Actual Function	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
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 Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1imitalized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
, = , = = = = = = = = = = = = = = = = =	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
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
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn SLPHwAuth Uls M f32	0
	-1600
VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	-1600
	0
k_HiSpdVDAuthority_UIs_f32	
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_UIs_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
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	1 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_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
0 /2 + : 2 / o / o. : quadonidora _maran_io2	0 1





Name	Input Value			
arget_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_Vehicles	Speed_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 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_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	-18.7999744	-18.7999744 ± 0.00009	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	•	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	~	
torrest VehDur. Dard. Concertacel hyDea. HyDea. 622 yellys	1000	1000 + 0.4		

Τ				✓
Actual Function	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	~

-1600

-1600 ± 0.1

Test Step 2.26 (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	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

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name William Autochardenside M. pt. Fireter 1. no. 102 Worklow, Autochardenside M. pt. Fireter 1. no. 102 Wo		
VARIDAD AUXILIARIA M. SERRIFICATION Mode at 50 U.S. 102	Name	Input Value
VAODY, ALLOCHOORSE M. des Patients Serial Visionery and V. Der 100 400 VANDY, ALLOCHOORSE M. des Patients Serial Visionery and V. Der 100 400 VARDY, ALLOCHOORSE M. des Patients Serial Visionery and V. Der 100 400 VARDY, ALLOCHOORSE M. des Patients Serial Visionery and V. Der 100 400 VARDY, ALLOCHOORSE M. des Patients Serial Visionery and V. Der 100 400 VARDY, ALLOCHOORSE M. Des Patients Serial Visionery and V. Der 100 400 VARDY, ALLOCHOORSE M. Des Patients Serial Visionery and V. Der 100 400 VARDY, ALLOCHOORSE M. Des Tribus V. Des Patients Serial Visionery and V. Des 100 400 VARDY, ALLOCHOORSE M. Des Tribus V. Des Patients Serial Visionery and V. Des 100 400 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 2100 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 2100 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 2100 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 2100 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 210 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 210 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 210 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 210 VARDY, ALLOCHOORSE M. Des Tribus V. Des 100 210 <td>VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32</td> <td>2553156835</td>	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
Verboy, Auschandes by in Reinhersentints Verbogs park Usin 52 Verboy, Auschandes by in Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by in Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by in Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Chully State of Verbogs park Usin 52 Verboy, Auschandes by Usin Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins State 12 Verboy, Auschandes by Usin Reinhersentins State 13 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52 Verboy, Auschandes by Usin Reinhersentins Verbogs park Usin 52	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VedOrp, Auschreibeige I, vir Beinherstrick J, Heining and V, Lis D. VedOrp, Auschreibeige II, vir Beinherstrick J, Heining and V, Lis D. VedOrp, Auschreibeige II, vir Beinherstrick J, Heining and V, Lis D. VedOrp, Auschreibeige II, vir Beinherstrick J, Dr. Die VedOrp, Auschreibeige II, vir Beinherstrick J, Dr. Die VedOrp, Auschreibeige II, vir Beinherstrick J,	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
Verbilly, Autoconfedency II, yes Printed Section Cort.go verbilly, Autoconfedency III, yes Printed Section Cort.go verbilly, Autoconfedency II	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000696000003
Veroling-Autocrafted V. pr Filer Enterland Crit ge	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024
VerDipt, Auschriches J. v. Effectivities Circ. go: 0 VerDipt, Auschriches J. v. Effectivities Circ. go: 2 VerDipt, Auschriches J. v. Effectivities Circ. go: 4 VerDipt, Auschriches J. v. Effec	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696000003
VerDipt, Auschriches J. v. Effectivities Circ. go: 0 VerDipt, Auschriches J. v. Effectivities Circ. go: 2 VerDipt, Auschriches J. v. Effectivities Circ. go: 4 VerDipt, Auschriches J. v. Effec	VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
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k_LoSpdVDAuthority_UIs_f32	k_HiSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32 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_ElapsedTitarget_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_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_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_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	k_HwTqMgnThd_HwNm_f32	5.25
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime 3304439296 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_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_VehDyn_Per1_SensorlessAuthority_Uls_f32	k_LoSpdVDAuthority_UIs_f32	0.870000005
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime 3304439296 target_GetSystemTime_mS_u32_CurrentTime 3494315776 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime 437695392 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 437695392 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_SensorlessHwPos_HwDeg_f32	k_SrlHwAgVldTiThd_mS_u32	91986
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime 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_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_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_SensorlessHwPos_HwDeg_f32	k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime 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_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_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_SensorlessHwPos_HwDeg_f32	k_TravelXCDeadband_Uls_f32	34.3699989
target_DtrmnElapsedTime_mS_u32_ElapsedTime 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_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_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_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		0.043575
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_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_SensorlessAuthority_Uls_f32		
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_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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_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_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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn_Per1_MotorVelCRF_MtrRadpS_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_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_Per1_HwTorque_HwNm_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_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_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_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_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_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_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_Hw	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	dValid_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	-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	- 100an	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2553156835	2553156835	~	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3174948758	3174948758		
VehDyn_AutoCntrDetSpd_M_str.Hintr2_mo_us2 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 Igc	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		
	1	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	3494315776	3494315776	_	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32				
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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-177.479996 0	-177.479996 ± 0.0009		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1		
	0	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	0	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc		0	Ž	
VehDyn_MaxOffset_HwDeg_M_f32	626.101013	626.101013		
VehDyn_MinOffset_HwDeg_M_f32	-1294.17004	-1294.17004		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.3003788	6.3003788 ± 0.000009	· ·	
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	•	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	V	
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-249.289978	-249.289993 ± 0.1	✓	

Т				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 2.27 (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	236.100006

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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.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.Filter1Enable_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_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.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 liCod M. ota Filtarolisticianal 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
	0.200000003
	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_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_H	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_VehicleSpee	ed_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 Iqc	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_lgc	1	1	-	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc	0	0		
VehDyn_AutoCntrhispd_ivi_str.Timer1_mS_u32	2760420809	2760420809		
	3382212733	3382212733		
VehDyn_AutoCntrloSpd_M_str.Timer2_mS_u32	731.700012	731.700012 ± 0.0009		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009		
	131.700012	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc				
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	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	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-955.190002	-955.190002 ± 0.1	✓	

T				✓
Actual Function	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_UIs_f32	-174.199997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrloSpd_M_str.MtrVel_MtrRadpS_f32	86.199969 246.10006
VehDyn_AutoCntrl_oSpd_M_str.VehSpd_kph_f32	10.1999998
VehDyn_AutoCntrl_oSpd_M_str.FiltPinTrq_HwNm_f32	52.099985
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 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	0.00699999975
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	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	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_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	1
	37.25
k_TravelXCDeadband_Uls_f32	
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0.0460250005
	0.0460250005 3714197504
k_TravelXCHwAuthority_Uls_f32	
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504 1759885568
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	3714197504 1759885568 371 3494315776
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse	3714197504 1759885568 371 3494315776





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H	lwNm_f32	
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	uthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	wPos_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 Hv	vDeg 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	dValid 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	-1281.65002		
target VehDyn Per1 CwEOT HwDeg f32.value	647.914978		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.59000015		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-158.410004		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-174.199997		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1332.65002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.900001		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.23999		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	Kesuit
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	_
, = , = = = = = = = = = = = = = = = = =	-174.199997	-174.199997 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	- V
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc		i i	
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	✓
		-1107.44995	•
VehDyn_MinOffset_HwDeg_M_f32	-1107.45007		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9968786	13.9968786 ± 0.00009	✓
		13.9968786 ± 0.00009 2127166208	<i>y</i>
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9968786		

T				✓
Actual Function	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 2.29 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime

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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	~

Τ				✓
Actual Function	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 2.30 (Repeat Count = 1)	
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
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	96.4000015
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.4000015
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	92.4000015
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	13059
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	4004004656
,	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000704000005
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	44
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.0999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
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	4004004656
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-157.490005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00110340002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000834000006
/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	96.1999969
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.4000015
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	92.4000015
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	4004004656
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.5799998e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-157.490005
ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_ois_is2	0.000704000005
, - ,	0.000704000005
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_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_Uls_f32	0.000277999992
ehDyn SLPHwAuth Uls M f32	0.582000017
ehDyn SLPHwPos HwDeg M f32	-1312.13
ehDyn_Strhwros_nwbeg_m_i32 ehDyn_StlHwAgVldTimer_mS_M_u32	1050692864
_HiSpdVDAuthority_UIs_f32	1
_HwTqMgnThd_HwNm_f32	0.00120000006
_LoSpdVDAuthority_Uls_f32	0.879999995
_SrlHwAgVldTiThd_mS_u32	112
_SysKinRatio_MtrDegpHwDeg_f32	50.2999992





	l		
Name	Input Value		
k_TravelXCDeadband_Uls_f32	40.1300011		
k_TravelXCHwAuthority_Uls_f32	0.048475001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560		
target_GetSystemTime_mS_u32_CurrentTime	2127166208		
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 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	vDeg_132	
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	lm 122	
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	-1269.13	2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	669.729004		
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_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1312.13		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	8.1999981		
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	1	- toouit
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_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	4004004656	4004004656	~
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_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	4004004656	4004004656	~
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_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	669.729004	669.729004	~
VehDyn_MinOffset_HwDeg_M_f32	-1269.13	-1269.13	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8983126	13.8983135 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050600064	1050692864	✓
	1050692864		
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0.879999995 0	0.879999995 ± 0.004 0 ± 0.1	~



Т				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 2.31 (Repeat Count = 1)	Innuit 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	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_StPHwPos_HwDeg_M_f32	-1086.41003 2659241984		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32	0		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k LoSpdVDAuthority Uls f32	1		
k SrlHwAgVldTiThd mS u32	45		
k SysKinRatio MtrDegpHwDeg f32	22		
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	4077829376		
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	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_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	lm_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	-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		
torget VebDus Dord Cell hyear/lid Cat les velve	4		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1086.41003		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1086.41003 5.5999999		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-1086.41003 5.5999999 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	-1086.41003 5.5999999 1 45.3699989	Evnected Value	Rasult
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	-1086.41003 5.5999999 1 45.3699989 Actual Value	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	-1086.41003 5.5999999 1 45.3699989 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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393	1 2160073393	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 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393	1 2160073393 1024	, , , , , , , , , , , , , , , , , , ,
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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002	1 2160073393 1024 -1459.40002 ± 0.009	~
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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009	, , , , , , , , , , , , , , , , , , ,
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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 -1459.40002 0	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 -1459.40002 0 0	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 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 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.Filter2Initialized_Cnt_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 -1459.40002 0 0 1	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 -1459.40002 0 0 1 1 1 1358028288	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1358028288	
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 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 -1459.40002 0 0 1 1 1 1358028288 1024	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1 1358028288 1024	
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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1 1358028288 1024 -1459.40002	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009	
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.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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 -1459.40002	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009	
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.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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 0 1 1 1 1358028288	$\begin{array}{c} 1 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1358028288 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ \end{array}$	
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 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.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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 -1459.40002 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1	$\begin{array}{c} 1 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1358028288 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 1 \\ \end{array}$	
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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Platialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Platialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Platialized_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.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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 -1459.40002 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$ 1 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1358028288 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 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 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_Spd_M_str.Sus_us2 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 -1459.40002 0 0 1 1 1 1 0	$ 1 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1358028288 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 1 \\ 1 \\ 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_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.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.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.Filter1Initialized_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 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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1358028288 1024 -1459.40002 ± 0.009 0 1 1 1 0 2160073393 1024 -1459.40002 ± 0.009	
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_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Spd_SFilt1SV_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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHospd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 1 1 0 2160073393 1024 -1459.40002 -1459.40002 -1459.40002	$\begin{array}{c} 1 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1358028288 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 1 \\ 1 \\ 0 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.0000000000000000000000000000000$	
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.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_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.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.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.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_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 -1459.40002 -1459.40002 -1459.40002	$\begin{array}{c} 1 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1358028288 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 1 \\ 1 \\ 0 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ 1 \end{array}$	
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 VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_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.RelHwPosFilt2SV_HwDeg_str.SV_UIs_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_AutoCntrDetSpd_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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 1 1 0	$\begin{array}{c} 1 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1358028288 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 1 \\ 1 \\ 1 \\ 0 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 1 \\ 0 \\ \end{array}$	
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 VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_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.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_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_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 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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 0 0 2160073393 1024 -1459.40002 1 1 0 0 0	$\begin{array}{c} 1 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1358028288 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 0 \\ 1 \\ 1 \\ 0 \\ 2160073393 \\ 1024 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ -1459.40002 \pm 0.009 \\ 1 \\ 0 \\ 0 \\ \end{array}$	
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 VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_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 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	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 0 1 0 2160073393 1024 -1459.40002 1 0 1 1 0 1 0 1	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 0 1 1 0 1 0 1 1 0 1 1 1 1 1 1 1 1	
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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.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.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_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Dnitialized_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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Dnitialized_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 1 1 0 0 1 1 1 1 1 1 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 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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 1 1 1 0 2161073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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.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.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_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Dnitialized_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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Dnitialized_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-1086.41003 5.5999999 1 45.3699989 Actual Value 1 2160073393 1024 -1459.40002 0 0 1 1 1358028288 1024 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 1 1 0 2160073393 1024 -1459.40002 0 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 1 1 0 0 1 1 1 1 1 1 1	





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	✓

T				✓
Actual Function	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 2.32 (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_lgc	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
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.3000031
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.0999985
/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_Uls_f32	-18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000279		
VehDyn_SLPHwAuth_Uls_M_f32	0.566999972		
VehDyn_SLPHwPos_HwDeg_M_f32	-1301.87		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_UIs_f32	0.99000001 1385		
k_SrlHwAgVIdTiThd_mS_u32	10.1000004		
k_SysKinRatio_MtrDegpHwDeg_f32 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_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_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		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
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 -8.39999962		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.75		
Name	Actual Value	Expected Value	Result
	Actual Value	1	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	j
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-354.700012	-354.700012 ± 0.0009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 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	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	~
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	680.635986	680.635986	





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	✓

T				✓
Actual Function	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)	Janua 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

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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_UIs_f32	18.7999992		
VehDyn PinTrgSV 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_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	1.5		
k_LoSpdVDAuthority_UIs_f32	1		
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 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_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	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	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	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		
	Actual Value	Expected Value	Posul
Name VehDun Alleudi SadAuteCate Cet M. Ige	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 2760420809	1 2760420809	•
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 2760420809 2760420809	1 2760420809 2760420809	•
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 2760420809 2760420809 -1081.09998	1 2760420809 2760420809 -1081.09998 ± 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 2760420809 2760420809 -1081.09998 -1081.09998	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1 2760420809 2760420809 -1081.09998 -1081.09998	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 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	1 2760420809 2760420809 -1081.09998 -1081.09998 0	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 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	1 2760420809 2760420809 -1081.09998 -1081.09998 0	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 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	1 2760420809 2760420809 -1081.09998 -1081.09998 0 0	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 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 2760420809 2760420809 -1081.09998 -1081.09998 0	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 2760420809 2760420809 -1081.09998 -1081.09998 0 0 1 3304439296 2760420809	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009 0 0 1 3304439296 2760420809	
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 2760420809 2760420809 -1081.09998 -1081.09998 0 0 1 3304439296	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009 0 0 1 1 3304439296	
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 2760420809 2760420809 -1081.09998 -1081.09998 0 0 1 3304439296 2760420809	1 2760420809 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009 0 0 1 3304439296 2760420809	
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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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 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_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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1 2760420809 2760420809 -1081.09998 -1081.09998 0 0 0 1 3304439296 2760420809 -1081.09998 0 1 1 1 0 2760420809 2760420809 -1081.09998 -1081.09998 -1081.09998 -1081.09998 -1081.09998 -1081.09998 -1081.09998 -1081.09998	1 2760420809 2760420809 -1081.09998 ± 0.009 0 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 0 2760420809 2760420809 2760420809 2760420809 2760420809 -1081.09998 ± 0.009 0 1 1 0 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009	
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.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.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.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.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	1 2760420809 2760420809 -1081.09998 -1081.09998 0 0 1 1 3304439296 2760420809 -1081.09998 0 1 1 1 0 2760420809 2760420809 -1081.09998 -1081.09998 1 0 0 17 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2760420809 2760420809 -1081.09998 ± 0.009 0 0 0 1 3304439296 2760420809 -1081.09998 ± 0.009 0 1 1 0 2760420809 2760420809 2760420809 2760420809 2760420809 -1081.09998 ± 0.009 0 1 1 0 2760420809 -1081.09998 ± 0.009 -1081.09998 ± 0.009	

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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	~

au			✓	
Actual Function	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)	
GetSystemTime_mS_u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte Call Ap VehDyn SystemTime 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
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	
tte_Inst_Ap_VehDyn /ehDyn AllowHiSpdAutoCntr Cnt M lgc	target_Rte_Inst_Ap_VehDyn 1
7 - 7	
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_lgc	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

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Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0		
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	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	613.765991		
VehDyn_MaxOffset_HwDeg_M_f32	-1111.63794		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0		
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	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_Uls_f32	0.075424999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344		
target_GetSystemTime_mS_u32_CurrentTime	1358028288		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTim$	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_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	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_Ci		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	6 2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-1131.41003 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 Igc.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	•
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	~
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 ± 0.009	_
V.D. A. O.I. O.I.M. I.E. I.E O.I.		1	→
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_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	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	✓

Т				✓
Actual Function	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	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.Timer2Thresh_mS_u16	53946
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
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	0.000669999979
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
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
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
	0.00079999998
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	34.200008
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.099985
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
hDyn_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	2.90000007e-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

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Input Value



Name



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	1		
VehDyn ForceCenterOffset HwDeg M f32	-601.039978		
VehDyn HiSpdLearnt Cnt M Igc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
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_UIs_f32	0.272780001		
k_HwTqMgnThd_HwNm_f32	3.099999		
	1		
k_LoSpdVDAuthority_UIs_f32			
k_SrlHwAgVIdTiThd_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_Elapse			
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_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	32	
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_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_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	-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_Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Nesult
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	
VehDyn_AutoCntrDetSpd_M_str.Timer2_ms_usz VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	
	0		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc			
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	~
VehDvn_AutoCntrHiSnd_M_str_Filter1Enable_Cnt_lgc	0	0	✓

0

1

0

0

1024

3174948758

731.700012

731.700012

0

1

1

0

0

1024

3174948758

731.700012 ± 0.0009

731.700012 ± 0.0009

VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_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.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.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	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	✓

Т				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 2.36 (Repeat Count = 1)	
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	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 Igc	0
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	2.0999999
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	199
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrg_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_AutoChtrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.N_olis_i32	459.209991
/enDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_dis_i32 /ehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
	0
/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	1 600.900024
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.800003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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.Timer1_mS_u32	54822322
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.50000007e-005





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 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_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 Elapse			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir		5 22	
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_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_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lo		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_N		
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	_f32	
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	Resu
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	•
,	1111		

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_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	~





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	~

T				✓
Actual Function	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_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
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_WittNaup3_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 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		
	0		
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	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		
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006		
	0		
VehDyn_SLPHwAuth_Uls_M_f32			
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_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_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_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	m 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	-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		
		From a stand Walter	D
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	
vondyn_AutoOntridetopu_ivi_str.r interzinittalizeu_Ont_igc		V	
Vah Dun Auto Catal li Cad M ata Timont at C :: 00	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 -1600	0 -1600 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 -1600	0 -1600 ± 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	0 0 -1600 -1600	0 -1600 ± 0.009 -1600 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 0 -1600 -1600 0	0 -1600 ± 0.009 -1600 ± 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	0 0 -1600 -1600 0	0 -1600 ± 0.009 -1600 ± 0.009 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_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	~

Т				✓
Actual Function	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
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.FiltPinTrq_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_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	539.700012
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.600006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6999998
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5999985

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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	298.149994		
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	464.006012		
VehDyn MinOffset HwDeg M f32	-1312.15796		
VehDyn_PinTrqSV_M_str.SV_UIs_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_Uls_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			
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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SensorlessHwPos_Hw	/Deg_132	
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	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	-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	-1.60000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.550003		
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_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	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	-1.60695314	-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	~

Τ			✓	
Actual Function	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	Immut 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
VehDyn_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
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
/ehDyn 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 Igc	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	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_AutoCntrl oSpd_M_str.Timer2Thresh_mS_u16	27401 4211268631		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1 -1.58000004		
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	0		
VehDyn LoSpdLearnt Cnt M Iqc	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_SrlHwAgVIdTiThd_mS_u32	12		
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	70.3700027		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824	0.0741999969	
target_GetSystemTime_mS_u32_CurrentTime	3351443200		
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_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3	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_MtrR	adpS_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		
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_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_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_ target_VehDyn_Per1_VehicleSpeed_Kph_		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1137.67004	_132	
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	Resul
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 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	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn_AutoCntrDetopo_W_str.Timer1_mS_u32	3351443200	3351443200	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4211268631	4211268631	

4211268631

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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	✓

7				
Actual Function	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
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	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
/ehDyn_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	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
/ehDyn_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	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	199
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43128
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000549999997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_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 12.8999996		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 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 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	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_UIs_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00037200001		
VehDyn_SLPHwAuth_UIs_M_f32 VehDyn SLPHwPos HwDeg M f32	0.237000003 -1076.15002		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360		
k HiSpdVDAuthority UIs f32	0.670000017		
k HwTqMgnThd HwNm f32	3.099999		
k_LoSpdVDAuthority_UIs_f32	0		
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			
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		
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_	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_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		
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	-1125.15002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-9.56999969 -897.599976		
target_VenDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-897.599976 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	Resu
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	•





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	~

Т				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(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	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
VehDyn_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_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_lgc	0 566.799988		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	32.7999992		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992		
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 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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_Uls_f32 k_HwTqMgnThd_HwNm_f32	0.119999997		
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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$			
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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3 target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Ois_132 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	120 <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		
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	-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 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.024994		
target_venibyn_Peri_venicieSpeed_kpn_t3z.value Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	Expected Value	Resul
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	✓

T				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 2.42 (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
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

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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	
VolDura AutoCotal ICord M. eta Dell lu Des Filtd CV. Llu Descrita 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

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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	✓

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Actual Function	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
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000528000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-378.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
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_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrl_oSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCotrl oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013 4.05000000 005
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	4.0599999e-005 -378.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000728000014
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
	-900.77002
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	-900.77002 1
	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	563.846008
VehDyn_MinOffset_HwDeg_M_f32	-1178.47803
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn PinTrqSV M str.K Uls f32	0.000361000013
VehDyn SLPHwAuth Uls M f32	0.40200001
VehDyn_SLPHwPos_HwDeg_M_f32	-1189.01001
VehDyn SrlHwAgVldTimer mS M u32	824746752
k HiSpdVDAuthority UIs f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_UIs_f32	1
k SrlHwAqVldTiThd mS u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	63.5
k TravelXCDeadband Uls f32	57.4099998
k TravelXCHwAuthority Uls f32	0.0631750003
target DtrmnElapsedTime mS u32 ElapsedTime	2836768512
target_GetSystemTime_mS_u32_CurrentTime	437658624
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_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	-1194.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	800.612976
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.01999998
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-378.170013
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1189.01001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999





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	✓

Τ			✓	
Actual Function	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	4.0999999
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	56.7000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.0999985
VehDyn_AutoCottleSod_M_str.FiltPinTrq_HwNm_f32	4.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	29076 43868
VehDyn_AutoCntrLoSpd_M_str.Timer21nresn_ms_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4.3868 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_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.Filter1Initialized_Cnt_Igc	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_UIs_f32	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 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	-1187.75
	044 50000
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	811.52002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03000021
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	7.03000021 -75.9000015
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03000021





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	~

Τ			✓	
Actual Function	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	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	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 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0.000861999986 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	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	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	0
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 Igc	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	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_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_UIs_f32 k SrlHwAgVldTiThd mS u32	1 456
k_SriHwagvid111nd_ms_u32 k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985
k_Syskinkatio_mtrDegpHwDeg_132 k_TraveIXCDeadband_Uls_f32	/3.0999985 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_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_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_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	-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	~

T				✓
Actual Function	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	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_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn ForceCenterOffset HwDeg M f32	-1600
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_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 SrlHwAqVldTimer 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 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	i 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_SriHwAg_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_f32





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_lgc	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	•

T				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 2.47 (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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N	Instruction of the Control of the Co
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.K_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_lgc	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_AutoCntrhispd_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
	0
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	-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	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 UIs f32	0
	·
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_UIs_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
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u30_Elapsed$	2728878080
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_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





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	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	-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	~

Т				✓
Actual Function	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	~

844.241028

-1168.96997

6.29439259

4178051584

-235.469971

844.241028

-1168.96997

4178051584

1 ± 0.004 -235.470001 ± 0.1

6.29439259 ± 0.000009

Test Step 2.48 (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	66.1999969	
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	

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.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2 1210.59998
$VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32$	0.000737999973
$VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f3222222222222222222222222222222222222$	2 1210.59998
$VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$	0.000737999973
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	56.200008
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	92 30404
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000538000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
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	66.5999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
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	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.26000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000737999973
VehDyn_AutoCotrLoSpd_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	1
VehDyn ForceCenterEnabled Cnt M lqc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M lqc	0
VehDyn MaxOffset HwDeg M f32	588.80603
VehDyn MinOffset HwDeg M f32	-1145.05798
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000365999993
VehDyn_SLPHwAuth_Uls_M_f32	0.326999992
VehDyn_SLPHwPos_HwDeg_M_f32	-1137.70996
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	42.0999985
k_TravelXCDeadband_Uls_f32	64.6100006
k_TravelXCHwAuthority_Uls_f32	0.0693000033
target_DtrmnElapsedTime_mS_u32_ElapsedTime	62568608
target_GetSystemTime_mS_u32_CurrentTime	2894938880
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_E	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_Curr	
	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_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_VehDyn_Per1_CwEOT_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_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_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_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_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_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_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_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_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_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_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_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32





Name	Input Value		
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_Igc	target_VehDyn_Per1_VehicleSpeed	lValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	I_Kph_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	~
, , , , , , , , , , , , , , , , , , ,	70.0000440	70.000004 . 0.4	

Τ				
Actual Function	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_LospavDAuthority_Uis_132 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_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_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_Mti	·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_	f32	
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	- 100uii
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.Filter1Initialized_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_Igc	0	0	
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	
	3589476707	3589476707	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	-10.3400002	-10.3400002 ± 0.00009	
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	1	-10.3400002 ± 0.00009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc			
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	1 500 707074	1	
VehDyn_MaxOffset_HwDeg_M_f32	593.797974	593.797974	•
VehDyn_MinOffset_HwDeg_M_f32	-1138.37402	-1138.37402	V
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9914389	13.9914389 ± 0.00009	•
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	290.970001	290.970001 ± 0.1	

T				✓
Actual Function	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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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 598.789978 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 6.5 k_SrlHwAgVidTiThd_mS_u32 6.5 k_SysKinRatio_MtrDeghWDeg_f32 53.2999992 k_TravelXCHwAuthority_Uls_f32 67.4899979	
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VehDyn_Initialize_Cnt_M_lgc 1 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_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_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_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_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

Τ				
Actual Function	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

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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	120.199997
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.1999969
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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 Igc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	66.1999969
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	9.19999981
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	50.099985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	27074
/ehDyn_AutoCntrHiSpd_M_str.Timer2 mesn_ms_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /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	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.800003
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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	4.3799988e-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.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/enDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	
/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_Uls_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_Uls_f32	1
_SrlHwAgVldTiThd_mS_u32	91986
SysKinRatio_MtrDegpHwDeg_f32	86.5
_TravelXCDeadband_Uls_f32	68.9300003
	0.0729750022
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	4195077888

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Name	Input Value		
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	2059598336		
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_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	-1143.93005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	887.869019		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.32999992		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.640015		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.170013		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1106.93005		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.9199982		
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	4004004656	4004004656	~
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.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	569984000	569984000	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	~
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	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	4004004656	4004004656	~
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	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	887.869019	887.869019	_
VehDyn_MinOffset_HwDeg_M_f32	-1143.93005	-1143.93005	V
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8913918	13.8913927 ± 0.00009	_
VehDyn_SrlHwAgVldTimer_mS_M_u32	2059598336	2059598336	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	V
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-342.680023	-342.679993 ± 0.1	~

Τ				✓
Actual Function	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	_



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 - 2	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

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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, Usir, 122 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Usir, 122 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 122 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 122 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 122 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 122 tanger, Rec. baseR, Verhipur, Verhipur, Pert Semonicas-Nathon, Verhipur, 122 tanger, Rec. baseR, Verhipur, Verhipur, Pert Jordot-Ordot, Jordon, 122 tanger, Verhipur, Pert Jordot	<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, Ipa 2 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Verbles Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Verbles Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, WerbDyn, Perf, Seniories Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 Ising Re, Imal, Ap, VerbDyn, Perf, Seniories Speed Kyb, Ipa 2 I		,		
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. SemonissAuthority, U.S. 52 target, Rein, R.A. & Verbin, WebDyn, Perl. Torque-GradCeff, Linkhim, 152 target, Rein, R.A. & Verbin, WebDyn, Perl. Torque-GradCeff, Linkhim, 152 target, Rein, R.A. & Verbin, WebDyn, Perl. SemonissAuthority, U.S. 52 target, Verbin, Perl. CoxeCOT, Hodge, 152-value target, Verbin, Perl. CoxeCOT, Hodge, 152-value target, Verbin, Perl. Morelay, Ferbin, 152-value target, Verbin, Perl. SemonissAuthority, 152-value target, Verbin, Perl. Torque-GradCeff, Inflinking, 152-value target, Verbin, Parl. Torque-GradCe				
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, Relins EA, VehDmy-NebDmy, Perf. VehicleSpeed, Myn., 152 Israge, Relins EA, VehDmy, Perf. Seriospic, Relins E				
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_Hixm_132 value 94.09999985			∪∠ 	
IsrageL.VehDyn_Pert_NetroVerCPE_NREADS_02_value 159,19999				
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_TorqueCmdCRF_Mithtm_Ts2_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				
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3351443200 3351443200 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211288631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitIt3V_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 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_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3351443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3V_HwDeg_str.SV_UIs_f32 4211288631 4211288631 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_LalicentLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_H				
VehDyn_AutoCntrHiSpd_M_str. Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Inbitalized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Inbitalized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Inbitalized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2ms_u32 3351443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.Filter2ms_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltISV_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 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_HiSpdLearnt		·		
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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_LoSpd_Learn_Cnt_M_lgc VehDyn_LoSpd_Learn_Cnt_M_lgc 0 0 0 VehDyn_LoSpd_Learn_Cnt_M_lgc VehDyn_MinoRfset_HwDeg_M_f32 1137.67004 -1137.67004 -1137.67004 -1137.67				-
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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 3351443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 4211268631 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1146.91003 1146.91003 ±0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 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 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_LoSpd_Learn_Cnt_M_lgc 0 0 0 VehDyn_LoSpd_Learn_Cnt_M_lgc 0 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	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3351443200 3351443200 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.Rell+wPosFilt1SV_HwDeg_str.SV_UIs_f32 1146.91003 1146.91003 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Rell+wPosFilt2SV_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.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_LiSpdLearnt_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 898.776001 898.776001 VehDyn_MinOffset_HwDeg_M_f32 -1137.67004 -1137.67004 VehDyn_SrlHwAgVIdTimer_mS_M_u32 800969984 800969984 VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.0004			0	✓
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_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 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	*



Τ				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	- Nesuit
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	-
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	~





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	✓

Τ				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
/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	88.1999969
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
ehbyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996
ehbyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.8000031
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
	14442
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	54822322
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	
/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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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_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SyskinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	0 1 0 618.757996 -1104.95398 -5.4000001 0.0037200001 0.237000003 -1076.15002 2942063360 0.670000017 3.0999999 0 65 78.3000031 73.25		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	0 618.757996 -1104.95398 -5.4000001 0.00037200001 0.237000003 -1076.15002 2942063360 0.670000017 3.0999999 0 65 78.3000031		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	618.757996 -1104.95398 -5.4000001 0.00037200001 0.237000003 -1076.15002 2942063360 0.670000017 3.0999999 0 65 78.3000031		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	-1104.95398 -5.4000001 0.00037200001 0.237000003 -1076.15002 2942063360 0.670000017 3.0999999 0 65 78.3000031		
VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	-5.4000001 0.00037200001 0.237000003 -1076.15002 2942063360 0.670000017 3.0999999 0 65 78.3000031		
VehDyn_PinTrqSV_M_str.K_Uls_32 VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	0.00037200001 0.237000003 -1076.15002 2942063360 0.670000017 3.0999999 0 65 78.3000031		
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	0.237000003 -1076.15002 2942063360 0.670000017 3.0999999 0 65 78.3000031		
VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	-1076.15002 2942063360 0.670000017 3.0999999 0 65 78.3000031		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	0.670000017 3.0999999 0 65 78.3000031		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	3.0999999 0 65 78.3000031		
k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	0 65 78.3000031		
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	65 78.3000031		
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031		
k_HaveiACDeaubaliu_0is_i32	13.23		
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	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		
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_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	
$target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc$	target_VehDyn_Per1_VehicleSpeedValid_Cr	t_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	-1125.15002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-9.56999969 -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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	54822322 459.209991	54822322 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	459.209991 ± 0.0009	· ·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	459.209991 ± 0.0009	Ž
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	Y
VehDyn_AutoCntrl.oSpd_M_str.Filter2Enable_Cnt_lgc	1	1	· ·
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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	~





Name	Actual Value	Expected Value	Result
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	✓

Τ				✓	
Actual Function	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 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
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	200.300003
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	136.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	52716
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_0is_i32	0.000752000022
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_AutoOntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	124
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1
/ehDyn_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
/ehDyn_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
/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.Filter/Initialized_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.800003
/ehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	136.899994
ehbyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.8000002
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.9000015
ehDyn_AdioChirLoSpd_M_str.ChirWilldow_nwbeg_i32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
enDyn_AutoCntrLoSpd_M_str.TimerTThresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
	1024
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	
/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 1001.01001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000752000022
, - ,	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /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	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1 0		
VehDyn LoSpdLearnt Cnt M Igc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-623.75		
VehDyn MinOffset HwDeg M f32	-1098.27002		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000372999988		
VehDyn_SLPHwAuth_Uls_M_f32	0.222000003		
VehDyn_SLPHwPos_HwDeg_M_f32	-1065.89001		
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	4.0999999		
k_LoSpdVDAuthority_UIs_f32	1		
k_SrlHwAgVldTiThd_mS_u32 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 ElapsedTime			
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_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		
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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_MtrN 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	-1118.89001	_	
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_lgc.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 45 5750000		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.5750008	I=	l
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 1024	1 1024	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	109643620	J
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	1001.01001	1001.01001 ± 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc		·	•
, _ ,	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
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	1 1 5477 109643620 1001.01001	1 1 5477 109643620 1001.01001 ± 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	1 1 5477 109643620 1001.01001 1001.01001	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009	\(\frac{1}{2}\)
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	1 1 5477 109643620 1001.01001 1001.01001	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0	\(\frac{1}{2}\)
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	1 1 5477 109643620 1001.01001 1001.01001 0	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 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_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 5477 109643620 1001.01001 1001.01001 0 1	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 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_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	1 1 5477 109643620 1001.01001 1001.01001 0 1	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_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	1 1 5477 109643620 1001.01001 1001.01001 0 1 1 0	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_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	1 1 5477 109643620 1001.01001 1001.01001 0 1 1 1 0 1024 109643620	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 0 1024 109643620	
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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32	1 1 5477 109643620 1001.01001 1001.01001 0 1 1 1 0 1024 109643620 1001.01001	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 0 1024 109643620 1001.01001 ± 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_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 5477 109643620 1001.01001 1001.01001 0 1 1 1 0 1024 109643620	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 1 0 1024 109643620	· · · · · · · · · · · · · · · · · · ·
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	1 1 5477 109643620 1001.01001 1001.01001 0 1 1 1 0 1024 109643620 1001.01001	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 0 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 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.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 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 1 5477 109643620 1001.01001 1001.01001 0 1 1 1 0 1024 109643620 1001.01001 1	1 1 5477 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009 0 1 1 0 1024 109643620 1001.01001 ± 0.009 1001.01001 ± 0.009	

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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_UIs_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	✓

VehDyn_Per1

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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	✓

Τ				✓
Actual Function	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	1		
VehDyn_ForceCenterOffset_HwDeg_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_PinTrqSV_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	6.0999999		
k_LoSpdVDAuthority_UIs_f32	744		
k_SrlHwAgVldTiThd_mS_u32	744		
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992		
k_TravelXCDeadband_Uls_f32	77.5699997		
k_TravelXCHwAuthority_Uls_f32	0.080325		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984		
target_GetSystemTime_mS_u32_CurrentTime	4178051584		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTim$	800969984		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u30_CurrentTim$	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	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_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		
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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	Result
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		~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32		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	V
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	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	219286216	219286216	





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	~

T				✓
Actual Function	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 Igc	1
ehbyn_Ailownisparatiochti_cit_M_igc ehbyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.299988
ehDyn_AutoCntrDetSpd_wi_str.VehSpd_kph_f32	166.300003
	5.30000019
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	41.2999992
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	1111
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_lgc	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.NeiHwr osi lit25V_HwDeg_str.5V_Dis_i32	0.0088800001
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0.0008800001
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ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	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	41.0999985
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 Igc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn MaxOffset HwDeg M f32	638.726013		
VehDyn_MinOffset_HwDeg_M_f32	-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_UIs_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_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	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	_	
	target_VehDyn_Per1_VehicleSpeed_Kph_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32		2	
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
		•	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	
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	~
venbyn_/tateenarnopa_ivi_str.i itterzimitalizea_ent_ige			





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	~

Т				✓
Actual Function	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	0
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	34.2000008
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	126.199997
'ehDyn AutoCntrDetSpd M str.FiltPinTrg 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
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	1600
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
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
/ehDyn_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_UIs_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			
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_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.RelHwPosFilt2SV HwDeg str.SV Uls f32	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_UIs_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_UIs_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	~

Τ				✓
Actual Function	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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Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994	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 f			
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	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



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	✓

T				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 2.61 (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	662.900024
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	4290967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000763999997
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	498.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2138628886
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	448.5
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000563999987
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1385.40002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K UIs f32	0.00893999997
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
VehDyn 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 Igc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	662.400024		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.5		
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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_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	897.609985		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
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		
	0.000379000005		
VehDyn_PinTrqSV_M_str.K_UIs_f32			
VehDyn_SLPHwAuth_Uls_M_f32	0.131999999		
VehDyn_SLPHwPos_HwDeg_M_f32	-1004.33002		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	0.119999997		
k_LoSpdVDAuthority_Uls_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_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	1117112832		
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		
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_lo2	
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		
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	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	369.100006		
		Expected Value	Da
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	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	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	1	1	

 $VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc$

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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	~

T				✓
Actual Function	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
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
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.099998
/ehDyn_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	1078320779
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000766000012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000766000012
/ehDyn_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	76.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
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	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_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	124.5		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.399994		
	3.5		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32			
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	0.000766000012		
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	997.52002		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	1		
7	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc			
VehDyn_MaxOffset_HwDeg_M_f32	658.69397		
VehDyn_MinOffset_HwDeg_M_f32	-1051.48206		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	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_Uls_f32	0.870000005		
k_SrlHwAgVldTiThd_mS_u32	9000		
k_SysKinRatio_MtrDegpHwDeg_f32	54.5		
k_TravelXCDeadband_Uls_f32	84.7699966		
k_TravelXCHwAuthority_UIs_f32	0.0864500031		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	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			
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_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_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	-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	-1036.69995		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	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	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	V
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.RelHwPosFilt1SV_HwDeg_str.SV_Uls f32	-1036.69995	-1036.69995 ± 0.009	-
	1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc		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_Uls_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	~

Τ			✓	
Actual Function	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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	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_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	1307.94995 0.000768000027		
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 Igc	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_UIs_f32	-7		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000380999991		
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.101999998 -983.809998		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	6.32000017		
k LoSpdVDAuthority Uls f32	0.566999972		
k_SrlHwAgVldTiThd_mS_u32	1000		
k_SysKinRatio_MtrDegpHwDeg_f32	85.0999985		
k_TravelXCDeadband_Uls_f32	86.2099991		
k_TraveIXCHwAuthority_Uls_f32	0.0876749977		
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	1117112832 target VehDyn Per1 CcwEOT HwDeg f32		
target Rte Inst Ap VehDyn.VehDyn Perl CwEOT HwDeg 132	target_VenDyn_Per1_CcwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Perl 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		
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	-1068.81006		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1018.75299		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-6.32000017 88.5999985		
target_VehDyn_Per1_Motor velCRF_MitrRadpS_i32.value	1307.94995		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-983.809998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995		
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	~
Valabora AutoCataDatOad MartaTireanOanOanOanO	0550450005	2552456025	

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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	✓

Τ			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	0.000899999985
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	86,099985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	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
	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	
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 Uls f32	1
k HwTqMgnThd HwNm f32	1
k LoSpdVDAuthority Uls f32	0.449999988
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	96
k TravelXCDeadband Uls f32	87.6500015
k_TraveIXCHwAuthority_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_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_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_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_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	-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_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-893.640015
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-973.549988
target veribyli Fell Olliway Hwbey 132.Value	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
	0 354.700012





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_Uls_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	~

T				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 2.65 (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
	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	·
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_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
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	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_UIs_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_Uls_f32	0.200000003
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0.370000005
k_SrlHwAgVldTiThd_mS_u32	951
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
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	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
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	-1056.29004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1040.56702
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.48000002
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	616.409973
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-963.289978

VehDyn_Per1



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Name		
Valtops_AuthorProtecting_d_M_Emillarialistand_Cruit_gs Valtops_AuthorProtecting_d_M_E	Name	Input Value
ValDay Associational Mark Brischialistes Cell to ValDay Associational Mark Brischialistes ValDay to ValDay Associational Mark Brischialistes Cell to ValDay Associational Mark Brischialistes ValDay	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
Validay Autochesis M. Jer Piller Technique (1997) Validay Autochesis M. Jer Piller Technique (19	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VARION, NUMCONTRISES M. SECUNDATIONS 150 VARION, NUMCONTRISES M. SECUNDATIONS 150 VARION, NUMCONTRISES M. SECUNDATIONS 150 VARION, NUMCONTRISES M. SECUNDATION 150 VARION, NUMCONTRI	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
Vestage Auto-Contributed M. of Contributed Vestage Vesta	VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
MARCHENISTER M. PITTOTT THE PRINT ME 2023 1508	VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
ValDyn, Audoninskyd, M. M. TimerThreen, mb. 16 ValDyn, Audoninskyd, M. M. TimerThreen, mb. 10 ValDyn, Audoninskyd, M. M. TimerThreen, M. Valdyn, and V. M. 10 ValDyn, Audoninskyd, M. M. TimerThreen, V. Markey, and V. M. 10 ValDyn, Audoninskyd, M. M. TimerThreen, M. Valdyn, M. Valdyn, M. M. Valdyn, M. M. Valdyn, M. M. Valdyn, M. Valdyn, M. M. Waldyn, M. M. Waldyn, M. M. Waldyn, M. W. M. Waldyn, M. Waldyn, M. Waldyn, M. M. Waldyn, M. W	VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
Verbin, Nuccional Sopt. M. Emeritarian mile. 16 Verbin, Nuccional Sopt. M. Emeritarian mile. 17 Verbin, Nuccional Sopt. M. Emeritarian mile. 18 Verbin, Nuccional Sopt. M. Eme	VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	54.0999985
Velicity AutoConfesting of Mary Territory Section Velicity AutoConfesting of Mary Territory Velicity V	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
Vehiply, Anticonties (by J. M. Trierof_IPS_U202	VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	31368
Verbilly AutoControllogy M. aft Palla-Price (15.9) # 1044 7 3999 Verbilly AutoControllogy M. aft Palla-Price (15.9) # 1045 8 399		0
VebDn AucontHistor M. an Enhancentitis V. Hortog, att V. Uls. 122 1016 7.3989 VebDn, AucontHistor, M. an Enhancentitis V. Hortog, att V. Uls. 122 1000 VebDn, AucontHistor, M. and Enhancentitis V. Hortog, att V. Uls. 122 1000 VebDn, AucontHistor, M. and Enhancentics V. Hortog, att V. Uls. 122 0 VebDn, AucontHistor, M. and Enhancent C. et. Ige 0 VebDn, AucontHistor, M. and Enhancent C. et. Ige 1 VebDn, AucontHistor, M. and Enhancent C. et. Ige 1 VebDn, AucontHistor, M. and Enhancent C. et. Ige 2 VebDn, AucontHistor, M. and Enhancent C. et. Ige 1 VebDn, AucontHistor, M. and Enhancent E. et. Ige 2 VebDn, AucontHistor, M. and Enhancent E. et. Ige 2 VebDn, AucontHistor, M. and Enhancent E. et. Ige 2 VebDn, AucontHistor, M. and Enhancent E. et. Ige 2 VebDn, AucontHistor, M. and Enhancent E. et. Ige 2 VebDn, AucontHistor, M. and Enhancent E. et. Ige 2 VebDn, AucontHistor, M. and Enhancent E. et. Ige 3 VebDn, AucontHistor, M. and Enhancent E. et. Ige 3 VebDn, AucontHistor, M. and Enhancent E. et. Ige 4 VebDn, AucontHistor, M. and Enhancent E. et. Ige		1024
VebDy AutoCriticistic M. at Pathworship VebDy AutoCriticis		-1014.73999
VelOp AutoChittispi, M. ar Reiheroseit SV, Hong and KU Is, 132 VelOp AutoChittispi, M. ar Reiheroseit SV, Hong and KU Is, 132		
Verbilly, AuthOrtHolps, M. ser Review Cent (125 V. Holes, aut. Culls (12		
Verbing, AutoCarles Roy, M. as Pillard Enable, Crit. 1gc Varborn, AutoCarles Roy, M. as Pillard Enables, Crit. 1gc Varborn, AutoCarles Roy, M. as Pillard Enables, Crit. 1gc Varborn, AutoCarles Roy, M. as Pillard Roy, Plan 2 Varborn, AutoCarles Roy, M. as Pillard Roy, Plan 2 Varborn, AutoCarles Roy, M. as Pillard Roy, Plan 2 Varborn, AutoCarles Roy, M. as Varborn, M.		
Verbing AutoChrist(SQL M, ser Plant Intellization)		
Verbing, AutoContrision, M. sei Filler Indiazed, Cri. Igo Verbing, AutoContrision, M. sei Filler Indiazed, Cri. Igo Verbing, AutoContrision, M. sei Verbing AutoContrision, M. Mindradys Dr. 2 Verbing, AutoContrision, M. sei Verbing AutoContrision, M. Mindradys Dr. 2 Verbing, AutoContrision, M. sei Verbing, AutoContrision, M. Mindradys Dr. 2 Verbing, AutoContrision, M. Sei Verbing, Verbing, 12 Verbing, AutoContrision, M. Sei Verbing, M. AutoContrision, M. Mindradys Dr. 1 Verbing, AutoContrision, M. Mindrad		
VenDry AutoCont (Sept M, set Prival) Prival Priva		
Verbin, AutoCritic Sept M. str Week) MinRadps, 5/2 Verbin, AutoCritic Sept M. str Week) MinRadps, 5/2 Verbin, AutoCritic Sept M. str Filter Ting Hown, 5/2 Verbin, AutoCritic Sept M. str Filter Ting Hown, 5/2 Verbin, AutoCritic Sept M. str Timert Tines II, ms, 1/18 Verbin, AutoCritic Sept M. str Timert Tines II, ms, 1/18 Verbin, AutoCritic Sept M. str Timert Tines II, ms, 1/18 Verbin, AutoCritic Sept M. str Timert Tines II, ms, 1/18 Verbin, AutoCritic Sept M. str Timert Tines II, ms, 1/18 Verbin, AutoCritic Sept M. str Timert Tines II, ms, 1/2 Verbin, AutoCritic Sept M. str Filter Ferbale, 1/18 Verbin, AutoCritic Sept M. str Filter Ferbale, 1/19 Verbin, AutoCriti		
VenDyn_AusComtusSpot M_striPrint_Nehm_152		
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VerbDyn_AutOccinic Sopd_M_str Timerz_mS_usz_2		
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VehDyn_AutoCnitLoSpd_M_str_FilterEnable_CnL_lgo	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntLoSpd_M_str_Filter2Enable_Cnt_lgc	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
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VehDyn_HiSpdLeamt_Cnt_M_lgc	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HisDalearmCnt_Migc	VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_igc	VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
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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_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 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_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_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_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 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_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_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_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_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_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_CowEOT_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_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_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_CowEOT_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_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_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_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 1138.72998		
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_VehicleSpeed_Kph_f32 target_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_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_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_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_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_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_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_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 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		
alget_veil_byit_Feit_Twitotique_Twixtit_ioz.value 8.53999990		
	target_verityri_reri_mw.rurque_mwiviii_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_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	✓

T			✓	
Actual Function	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)	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	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
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	120
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	
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
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
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_lgc	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	7.6999981
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	
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_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	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_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k LoSpdVDAuthority Uls f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k SysKinRatio MtrDegpHwDeg f32	
	96.0999985
k_TravelXCDeadband_Uls_f32	79.5999985
k_TraveIXCHwAuthority_UIs_f32	0.121974997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	1759885568
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_veribyrt_rerr_rectrim os_rrwbeg_loz
	target_VehDyn_Per1_SensorlessAuthority_Uls_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_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	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	-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	Ī		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.7700005		
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	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	✓
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	4004004656	4004004656	✓
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_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	1324.14905	1324.14905	~
VehDyn_MinOffset_HwDeg_M_f32	-893.530029	-893.530029	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39637709	-5.39637709 ± 0.000009	~
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	902.210022	902.210022 ± 0.1	✓

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Actual Function	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 2.68 (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	

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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
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Name	Input Value		
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_Igc	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	-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_UIs_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	✓

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I				~
Actual Function	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 2.69 (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_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt	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	llid_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	-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_SrlHwAgVld_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 Igc.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	Ž
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	Ž
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 Igc	0	0	
	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc		0	- J
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	Y
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	Ž
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_UIs_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	✓

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Actual Function	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		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR	RadpS_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	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	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	ltrNm_f32	
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	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 Igc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	-778.609985		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995		
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	~
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	
	2345892860	2345892860	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758	3174948758	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-339.980011	-339.980011 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			
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	V
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	V
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	V
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 VehDun Dard ConcerlessAuthority Ille f22 value	0.25	0.35 ± 0.004	

lacksquare			✓	
Actual Function	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	~

0.25 ± 0.004

-1118.58997 ± 0.1

0.25

-1118.58997

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

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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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_AutoCotrDetSpd_M_str.Timer1Thresh_mS_u16	38868 57944
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 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_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
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	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00057199999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	710.950012
VehDyn_AutoCntrl-iSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	1 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	88.5
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_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	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	703 633000
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	703.622009 -991.325989
VehDyn_MinOriset_HwDeg_M_t32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	-5.400000T 0.000388999993
VehDyn SLPHwAuth Uls M f32	0.0460000001
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
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	1050692864
	2728878080
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	2/200/0000





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe	g_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hwl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_I	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	os_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cr	nt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRI	F_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedV	alid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_I	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	resur
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_Igc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc		-	
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	-
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	4004004656	4004004656	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	<u> </u>
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	-
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	1106.00903	1106.00903	~
VehDyn_MinOffset_HwDeg_M_f32	-1018.72998	-1018.72998	~
VehDyn_PinTrqSV_M_str.SV_Uls_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	✓

T				✓
Actual Function	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 2.72 (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
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	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
/ehDyn_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	8.3999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
	52282
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.22000009e-005
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	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	-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	708.614014
VehDyn MinOffset HwDeg M f32	-984.642029
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.599999
/ehDyn_PinTrqSV_M_str.K_UIs_f32	0.000390000001
VehDyn 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_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	97.0999985
k_TraveIXCDeadband_Uls_f32	99.1699982
k_TravelXCHwAuthority_Uls_f32	0.0987000018
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272

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Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	1662097408		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	Ti 3039943680		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	e 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_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	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	-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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.6539993		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
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	1662097408	1662097408	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
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	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	~
		1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1	1	~
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 1116.91602	1 1 1116.91602	~
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 1116.91602 -1012.46997	1 1 1116.91602 -1012.46997	~
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 1116.91602 -1012.46997 7.59978819	1 1 1116.91602 -1012.46997 7.59978867 ± 0.000009	*
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 1116.91602 -1012.46997 7.59978819 824746752	1 1 1116.91602 -1012.46997 7.59978867 ± 0.000009 824746752	*
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 1116.91602 -1012.46997 7.59978819	1 1 1116.91602 -1012.46997 7.59978867 ± 0.000009	~

T ✓				
Actual Function	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 2.73 (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	42.4000015
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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
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	44.5600014
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.410004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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_AutoCottrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.26000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	110.5 0.000788000005
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	1
VenDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VenDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn ForceCenterEnabled Cnt M Igc	0
VehDyn_ForceCenterErlabled_Crit_M_igc VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn_Initialize_Cit_M_gc 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_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391000009
VehDyn_SLPHwAuth_Uls_M_f32	0.079999982
VehDyn_SLPHwPos_HwDeg_M_f32	-881.210022
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_Uls_f32	0
k HwTqMgnThd HwNm f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32	10.3000002
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Name	Input Value		
k TravelXCDeadband Uls f32	98.1399994		
k_TravelXCHwAuthority_Uls_f32	0.0999249965		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4077829376		
target_GetSystemTime_mS_u32_CurrentTime	1117112832		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	1316564736		
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_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	-1006.21002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1127.823 8.02999973		
target_VehDyn_Per1_HwTorque_HwNm_f32.value			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAqVld_Cnt_lgc.value	110.5		
0 = 9 = 0 = =0			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-881.210022 -4.5999999		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.410004		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	J
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	•
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	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	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	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	1	1	~
	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	·		
VehDyn_Initialize_Cnt_M_lgc	1	1	_
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1 713.606018	1 713.606018	~
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 1 713.606018 -977.958008	1 713.606018 -977.958008	
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	1 1 713.606018 -977.958008 -1.59640932	1 713.606018 -977.958008 -1.59640932 ± 0.000009	~
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 1 713.606018 -977.958008 -1.59640932 309385728	1 713.606018 -977.958008 -1.59640932 ± 0.000009 309385728	~
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	1 1 713.606018 -977.958008 -1.59640932	1 713.606018 -977.958008 -1.59640932 ± 0.000009	~

T				✓
Actual Function	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 2.74 (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	126.099998
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
/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	-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	0
/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_Uls_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
x_HiSpdVDAuthority_Uls_f32	1
C_HwTqMgnThd_HwNm_f32	3.0999999
	1.0
<pre>c_LoSpdVDAuthority_Uls_f32 c SrlHwAgVldTiThd mS u32</pre>	0 4891

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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_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_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 Iqc	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_Uls_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	



Т				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 2.75 (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	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
	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	
/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_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.33999992e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791999977
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
/ehDyn_Initialize_Cnt_M_lgc	0

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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_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 -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	
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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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_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.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.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.Filter1Initialized_Cnt_lgc	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 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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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.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 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	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 0 1 0 1	
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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_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_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
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	✓

Τ				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	~

	Innué Value
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_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	456.5
hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5
hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.5
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.5
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000793999992
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
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	88.5
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.199997
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	255468
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000582000008
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000155999995
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	456
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2999992
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2999992
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.37999986e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0
hDyn_ForceCenterEnabled_Cnt_M_lgc	0
hDyn ForceCenterOffset HwDeg 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.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	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	
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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32	128.839996 Actual Value 1 2553156835 109643620 1259.78003 1 1 0 0 1050692864 109643620 1259.78003 1259.78003 1259.78003	1 2553156835 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009	
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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	✓

T				✓
Actual Function	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 ElapsedTim
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	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	
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_lgc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	0
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	0
ehDyn_AutoCntrLoSpd_M_str.CntrWindow HwDeg f32	0
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
ehDyn_AutoCntrLoSpd_M_str.TimerThriesh_mS_uTo	0
	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
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

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Name	Input Value		
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	-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_HwDog_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		
k_TravelXCDeadband_Uls_f32	0		
k_TravelXCHwAuthority_UIs_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	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_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 -1440.10999	6 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 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 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_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	Y
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrl_oSpd_M_str.Filter2Enable_Cnt_lgc	0	0	Ž
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
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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	✓

Т				
Actual Function	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





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			
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_UIs_f32	1			
k_HwTqMgnThd_HwNm_f32	10			
k_LoSpdVDAuthority_UIs_f32	1			
k_SrlHwAgVldTiThd_mS_u32	100000			
k_SysKinRatio_MtrDegpHwDeg_f32	100			
k TravelXCDeadband Uls f32	100			
	1			
k_TraveIXCHwAuthority_UIs_f32	4294967295			
target_DtrmnElapsedTime_mS_u32_ElapsedTime				
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	4		
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_I			
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_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	32		
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	✓	
VahDun AutoCateDatCad Mate Timora mc usa	4204067205	4294967295	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4234307233		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	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	✓

T				✓
Actual Function	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_lgc	1		
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	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004		
VehDyn_MinOffset_HwDeg_M_f32	16.7000008		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391999987		
VehDyn_SLPHwAuth_Uls_M_f32	0.0970000029		
VehDyn_SLPHwPos_HwDeg_M_f32	-870.950012		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	3.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	4891		
k_SysKinRatio_MtrDegpHwDeg_f32	86.5		
k_TravelXCDeadband_Uls_f32	97.1100006		
k_TravelXCHwAuthority_Uls_f32	0.101149999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984 2127166208		
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_cair_xp_venbyn_system+line_detsystem+line_ins_usz_current+line target_rte_lnst_Ap_venbyn.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_venbyn.venbyn_Per1_EwEo1_nwbeg_i32 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_		
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	.Dogoz	
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		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-999.950012		
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		
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	•
VehDvn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	V

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	•





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_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	~

Τ				✓
Actual Function	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_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_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_AutoChtrHiSpd_M_str.Filter2Initialized_Cht_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
, _ , _ , _ , _ , _ , _ , _ , _ , _ , _	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

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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 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		
	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	-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		
	0		
VehDyn_SrlHwAgVldTimer_mS_M_u32			
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		
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	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_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	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:		
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	~
, _ ,	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32			-
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	V
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	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	V
	0		V



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	~

T				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 2.81 (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	4.400001
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
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
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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 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	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

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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	~

Т				✓
Actual Function	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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VehDyn_Per1



Name	Input Value			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	152.199997	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_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16	18715 2138628886			
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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 VehDyn_MaxOffset_HwDeg_M_f32	0 758.533997			
VehDyn_MinOffset_HwDeg_M_f32	-917.802002			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00039999999			
VehDyn SLPHwAuth Uls M f32	0.232999995			
VehDyn_SLPHwPos_HwDeg_M_f32	-788.869995			
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408			
k_HiSpdVDAuthority_UIs_f32	1			
k_HwTqMgnThd_HwNm_f32	5.44999981			
k_LoSpdVDAuthority_Uls_f32	0			
k_SrlHwAgVldTiThd_mS_u32	700			
k_SysKinRatio_MtrDegpHwDeg_f32	96.5			
k_TravelXCDeadband_Uls_f32	88.8700027			
k_TraveIXCHwAuthority_UIs_f32	0.110950001			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408 824746752			
target_GetSystemTime_mS_u32_CurrentTime 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_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 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_f	f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_Ulsf32		
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_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	32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-949.869995 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_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.070007			
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	2967684784	2967684784		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 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	586.059998 586.059998	586.059998 ± 0.0009 586.059998 ± 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	586.059998 586.059998	586.059998 ± 0.0009 586.059998 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	586.059998 586.059998 1	586.059998 ± 0.0009 586.059998 ± 0.0009 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.Filter1Initialized_Cnt_lgc	586.059998 586.059998 1 1	586.059998 ± 0.0009 586.059998 ± 0.0009 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	586.059998 586.059998 1	586.059998 ± 0.0009 586.059998 ± 0.0009 1		

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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	~

Τ				✓
Actual Function	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	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 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860 3174948758		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_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 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_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_MtrDegpHwDeg_f32	32.0999985		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	87.8399963 0.112175003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208		
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_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_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 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	-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_SrlHwAgVId_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		1-
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	Y
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	309385728 3174948758	309385728 3174948758	Ž
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	
VehDvn AutoCntrDetSpd M str.Filter1Enable Cnt lac	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	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_UIs_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	~

T →				
Actual Function	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 2.84 (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	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	0.00080999998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000809999998
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	6.19999981
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

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VehDyn_Per1



Nome	Input Value		
Name VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32	Input Value 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_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	52716 2553156835		
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.K Uls f32	5.70000011e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000809999998		
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	-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 1.5		
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000402000005		
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_TravelXCHwAuthority_Uls_f32	0.113399997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688		
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_lnst_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_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_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	-937.349976		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1247.80005		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-897.599976 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	Result
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

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lame	Input Value
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
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
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
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	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
_HiSpdVDAuthority_UIs_f32	0
_HwTqMgnThd_HwNm_f32	1.5
_LoSpdVDAuthority_UIs_f32	1
_SrlHwAgVldTiThd_mS_u32	703
_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
_TravelXCDeadband_Uls_f32	85.7799988
_TraveIXCHwAuthority_Uls_f32	0.114624999
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
arget_GetSystemTime_mS_u32_CurrentTime	2942063360
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
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_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
arget_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_MtrNm_f32
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-931.090027
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1258.70703
arget_VehDyn_Per1_HwTorque_HwNm_f32.value	2.20000005
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005
arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
	-758.090027
arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	
arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
	1
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	





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	✓

Τ				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 2.86 (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

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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, 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 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 0 Vichiph, AutoChristoph, M. art Filter Christoph, Cr		
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. N. 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 333690011 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 333890011 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 333890011 VADDA, MACCHINSDE, M. ANITHMETHER, M. S. US 333890011 VADDA, MACCHINSDE, M. ANITHMETHER, M. C. US 333890011 VADDA, MACCHINSDE, M. ANITHMETHER, C. US 333890011 VADDA, MACCHINSDE, M. ANITHMETHER, M. C. US 333890011 VADDA, MACCHINSDE, M. ANITHMETHER, M. C. US 333890011 VADDA, MACCHINSDE, M. ANITHMETHER, C. US 333890011 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, HEN, II.G. 14442 VAIDUP, AMSCORTLOSEM, M.S. TIMET, M.S. U.Z. 2449802880 VAIDUP, AMSCORTLOSEM, M.S. TIMET, M.S. U.Z. 3174994788 VAIDUP, AMSCORTLOSEM, M.S. TIMET, M.S. U.Z. 338980011 VAIDUP, AMSCORTLOSEM, M.S. REHAMPORETISV, HANDER, S.Y. U.B., S.Z. 338980011 VAIDUP, AMSCORTLOSEM, M.S. REHAMPORETISV, HANDER, S.Y. U.B., S.Z. 338980011 VAIDUP, AMSCORTLOSEM, M.S. REHAMPORETISV, HANDER, S.Y. U.B., S.Z. 338980011 VAIDUP, AMSCORTLOSEM, M.S. REHAMPORETISV, HANDER, S.Y. U.B., S.Z. 338980011 VAIDUP, AMSCORTLOSEM, M.S. REHAMPORETISSV, HANDER, S.Y. U.B., S.Z. 338980011 VAIDUP, AMSCORTLOSEM, M.S. REHAMPORETISSV, HANDER, S.Y. U.B., S.Z. 40000007999982 VAIDUP, AMSCORTLOSEM, M.S. REHAMPORETISSV, HANDER, S.Y. U.B., S.Z. 40000007999982 VAIDUP, AMSCORTLOSEM, M.S. REHAMPORETISSV, HANDER, S.Y. U.B., S.Z. 40000007999982 VAIDUP, S.Y. U.B., S.Z. 4000000000000000000000000000000000000		
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, 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 000000779005 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 000000779009 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 0 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 0 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 0 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 0 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 0 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 0 VARDM, AutContiosopi, M. p. Timer Timer, m. g. u22 0 VARDM, P. G. Contiosopi, M. p. Timer Time	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_MpDeg_str.K_Uis_[32]	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFill2SV_MpDeg_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_Morticet_Hobeq_M_132 4911.117981 VerbDyn_Morticet_Hobeq_M_132 4911.117981 VerbDyn_Forticet_Myn_Str.V_Uis_122 0.00000099998 VerbDyn_Str.Wyn_Str.V_Uis_122 0.00000999998 VerbDyn_Str.Wyn_Str.V_Uis_122 0.000000999998 VerbDyn_Str.Wyn_Str.V_Uis_122 0.000000999998 VerbDyn_Str.Wyn_Str.V_Uis_122 0.00000000000000000000000000000000000		
VerbOyn_AutoCnitLoSpid_M_str_Filter*Enable_CnLigs 0 VerbOyn_AutoCnitLoSpid_M_str_Filter*Enable_CnLigs 0 VerbOyn_AutoCnitLoSpid_M_str_Filter*Enable_CnLigs 0 VerbOyn_AutoCnitLoSpid_M_str_Filter*Enable_CnLigs 0 VerbOyn_AutoCnitLoSpid_M_str_Filter*Enable_CnLigs 0 VerbOyn_ForceCenterEnable_CnL_M_igs 0 VerbOyn_ForceCenterEnable_CnL_M_igs 10 VerbOyn_ForceCenterEnable_CnL_M_igs 10 VerbOyn_ForceCenterEnable_CnL_M_igs 10 VerbOyn_Hispotle_arm_Cnt_M_igs 1 VerbOyn_Macoffset_HwiDeg_M_122 75 VerbOyn_Macoffset_HwiDeg_M_132 75 VerbOyn_PinTrqSV_M_str_K_U ils_122 75 VerbOyn_PinTrqSV_M_str_K_U ils_122 0.000000999998 VerbOyn_PinTrqSV_M_str_K_U ils_122 0.000000999999 VerbOyn_SINHWauth_U ils_M_122 278 VerbOyn_SINHWauth_U ils_M_122 278 VerbOyn_SINHWauth_U ils_M_122 6.32 VerbOyn_SINHWauth_U ils_M_122 6.32 VerbOyn_SINHWauth_U ils_M_122 6.32 VerbOyn_SINHWauth_U ils_M_122 6.32 VerbOyn_SINHWauth_U ils_M_122 6		
VehDyn_AutoChitLoSpd_M str-Filter Enable_Cnt_lgs		
VehDyn_AutoCritt.Ospd_M_str_FilterInitialized_Crt_Igc		
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k_LioSpdVDAuthority_Uis_f32	k_HiSpdVDAuthority_Uls_f32	0
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k_TravelXCDeadband_Uls_f32	c_SrlHwAgVldTiThd_mS_u32	701
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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		1.2999995
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	✓

T				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	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	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	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 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 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	
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	-881.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301
	3.7999995
target_VehDyn_Per1_HwTorque_HwNm_f32.value	88.8000031
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	0
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-676.01001 7.80000019
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	

VehDyn_Per1



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	✓

Τ				✓
Actual Function	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	~

Took Ston 2 88 (Bancat Count = 4)	
Test Step 2.88 (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	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_132 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
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999985
600037
9525
302432
1315776
3378688
et_VehDyn_Per1_CcwEOT_HwDeg_f32
et_VehDyn_Per1_CwEOT_HwDeg_f32
et_VehDyn_Per1_HwTorque_HwNm_f32
et_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
et_VehDyn_Per1_RelHwPos_HwDeg_f32
et_VehDyn_Per1_SensorlessAuthority_Uls_f32
et_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
et_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
et_VehDyn_Per1_SrlHwAg_HwDeg_f32
et_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
et_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
et_VehDyn_Per1_VehicleSpeed_Kph_f32
2.33496
04119 .00 000 000 999 960 95 95 960 95 95 960 95 960 97 98 98 98 98 98 98 98 98 98 98 98 98 98





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	Resul
VehDyn AllowHiSpdAutoCntr Cnt M Igc	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 Igc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	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 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	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 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 Igc	1	1	
VehDyn Initialize Cnt M Igc	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_UIs_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	

Τ				✓
Actual Function	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
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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015 32821
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 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
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
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
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	5.0599997e-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	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	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 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_TravelXCHwAuthority_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_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 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_venDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_ReiHwPos_HwDeg_132 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_venDyn_Per1_ReiHwPos_HwDeg_132 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_SensorlessAuthority_Ois_i32 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_venDyn.VenDyn_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_TorgueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.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_SrlHwAg_HwDeg_f32	





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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 _ 1			

T				✓
Actual Function	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
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	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
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4004004656
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_lgc	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
	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_Igc	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	803.461975
VehDyn_MinOffset_HwDeg_M_f32	-857.645996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000409
VehDyn_SLPHwAuth_Uls_M_f32	0.386000007
	-696.530029
VehDyn_SLPHwPos_HwDeg_M_f32	
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVIdTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	79.5999985
k_TraveIXCHwAuthority_UIs_f32	0.121974997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	1759885568
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	3039943680
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





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	-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_lgc	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	✓
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	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_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	1324.14905	1324.14905	~
VehDyn_MinOffset_HwDeg_M_f32	-893.530029	-893.530029	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39637709	-5.39637709 ± 0.000009	~
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	902.210022	902.210022 ± 0.1	~

T			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 2.92 (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	457.899994	
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	

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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
	96
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
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	45.0099983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_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
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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	457.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.199997
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	797.700012
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	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_UIs_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 Uls 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_u32_ElapsedTime_mS_u33_ElapsedTi	
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	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_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_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	-887.27002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1335.05603		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.5999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.600006		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	45.0099983		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-686.27002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6300011		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
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	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	1024	1024	
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 ± 0.000009	
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	1662097408	1662097408	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	
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 ± 0.0009	
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	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	1335.05603	1335.05603	•
VehDyn_MinOffset_HwDeg_M_f32	-887.27002	-887.27002	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5982585	7.5982585 ± 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	-752.690002	-752.690002 ± 0.1	

Τ			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 2.93 (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_L	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	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 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	-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	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_lgc	0	0	Kesuit
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
	4290967295	4290967295	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32			-
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	V
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	V
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_UIs_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	✓

T				✓
Actual Function	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 2.94 (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

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Name	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_AutoCotrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCotrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCotrHiSpd_M_str.RelHwPosFilt1SV_HwDag_str.SV_Llls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000228000004
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_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_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.09999988e-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_lgc	
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 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_Uls_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	0.89999976
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0.10000001
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	76.5100021
k_TravelXCHwAuthority_UIs_f32	0.125650004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime	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_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_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_H	lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	uthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	wPos_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	CRF_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	-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_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	~

T				✓
Actual Function	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	_

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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lame	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	580.099976
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000831999991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000831999991
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	200
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76
rehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	10
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	52282
	109643620
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
/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
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000232000006
/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	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
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.14000019e-005
'ehDyn 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
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_igc	1097.43005
,	
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_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
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000413000002
ehDyn_SLPHwAuth_Uls_M_f32	0.453999996
ehDyn_SLPHwPos_HwDeg_M_f32	-655.48999
ehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
_HiSpdVDAuthority_Uls_f32	0
_HwTqMgnThd_HwNm_f32	4.099999
LoSpdVDAuthority_Uls_f32	0.600000024
SrlHwAgVldTiThd_mS_u32	987
_SysKinRatio_MtrDegpHwDeg_f32	63.0999985
,	75.4800034
TravelXCDeadhand Uls f32	. 5 55500
_TraveIXCDeadband_Uls_f32 _TraveIXCHwAuthority_Uls_f32	0.126874998
_TravelXCHwAuthority_Uls_f32	0.126874998
	0.126874998 3941357312 1050692864





Name	Input Value		
	824746752		
	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
	target_VehDyn_Per1_CwEOT_HwDeg_f32		
	target_VehDyn_Per1_HwTorque_HwNm_f32		
	target_VehDyn_Per1_MotorVelCRF_MtrRad		
	target_VehDyn_Per1_RelHwPos_HwDeg_f3:		
	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	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cr	t_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	-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	~
, =	1	1	✓
, =	0	0	~
, = 1 = = = = = = = = = = = = = = = = =	0	0	✓
, =	1	1	~
, = , = = = = = = = = = = = = = = = = =	1	1	✓
,	1	1	~
)	1	1	•
,	1367.77698	1367.77698	~
VehDyn_MinOffset_HwDeg_M_f32	-868.48999	-868.48999	✓
,	-14.7921886	-14.7921886 ± 0.00009	~
	824746752	824746752	✓
3.2 . , 2 . 2	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Т				✓
Actual Function	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 2.96 (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	66
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_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	
/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	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
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_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
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	60000
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
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000809999998
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	-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	768.518005
VehDyn MinOffset HwDeg M f32	-904.434021
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000402000005
VenDyn_PirtrigSv_M_sir.k_ois_i32 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_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	52
k_TravelXCDeadband_Uls_f32	86.8099976
k_TravelXCHwAuthority_Uls_f32	0.113399997





Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	2659241984		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	3494315776		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	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_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	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	-937.349976		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1247.80005		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2		
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	Result
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	~
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	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	V
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	V
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-4
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	V
7 - 7			J
VehDyn_MaxOffset_HwDeg_M_f32	1247.80005	-937.349976	~
VehDyn_MinOffset_HwDeg_M_f32	-937.349976 1 50024426	1.50024426 ± 0.000009	
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	1.50024426 3039943680	1.50024426 ± 0.000009 3039943680	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.26699999	0.26699999 ± 0.004	, v
target VehDyn Per1 SensorlessAuthority_Ois_isz.value target VehDyn Per1 SensorlessHwPos HwDeg f32.value	822.450073	822.450012 ± 0.1	~
target_veribyti_reli_oetisotiessi.twr.os_nwbey_loz.value	022.730013	022.730012 I U. I	_

Τ				✓
Actual Function	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 2.97 (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
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
/ehDyn_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
/ehDyn_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
VehDyn_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	1341.30005
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_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VenDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
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
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/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
/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
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
	700
k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	703 10.1000004





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_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	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	-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	I	1
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360	2942063360	V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	V
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_AutoCatrDetSpd_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	2760420809	2760420809	· ·
	3382212733	3382212733	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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 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	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 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	-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	~

Т				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 2.98 (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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	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_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	-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	~
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	V
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	-1600 0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	-1600 0 0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-1600 0 0 0	0 0 0	
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	-1600 0 0 0 0	0 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	-1600 0 0 0 0 0	0 0 0 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	-1600 0 0 0 0 0	0 0 0 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 VehDyn_LoSpdLearnt_Cnt_M_lgc	-1600 0 0 0 0 0 0	0 0 0 0 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	-1600 0 0 0 0 0 0 1 0 360	0 0 0 0 0 1 0 360	· · · · · · · · · · · · · · · · · · ·
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	-1600 0 0 0 0 0 1 0 360 -1440.10999	0 0 0 0 0 1 1 0 360 -1440.10999	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1600 0 0 0 0 0 1 0 360 -1440.10999 -18.7999992	0 0 0 0 0 1 1 0 360 -1440.10999 -18.7999992 ± 0.00009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	-1600 0 0 0 0 0 1 0 360 -1440.10999 -18.7999992	0 0 0 0 1 0 360 -1440.10999 -18.7999992 ± 0.00009	************
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 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1600 0 0 0 0 0 1 0 360 -1440.10999 -18.7999992	0 0 0 0 0 1 1 0 360 -1440.10999 -18.7999992 ± 0.00009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

T				
Actual Function	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 1 2840	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 1 2494967295 1600 ± 0.009 1600 ± 0.009 17 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.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 1 2840	1600 ± 0.009 1600 ± 0.009 0 1 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 2 159.889999 2840	~



Т				
Actual Function	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)	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_ButhinLiapsedTime_iniS_u32(CurrentTime) 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	
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	3.099999
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_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
ehDyn_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_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn ForceCenterOffset HwDeg M f32	897.609985
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	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		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u30_CurrentTim$	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_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	-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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_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	
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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.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 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.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_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 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 1 1 0 1024 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.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.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.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	~

Т				✓
Actual Function	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 0.555999994		
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 Uls 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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	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_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_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -830.929993	6 <u>2</u>	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1433.21899		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.4000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002		
	1		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-593.929993		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-593.929993 1.29999995		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-593.929993 1.29999995 1	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	-593.929993 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	-593.929993 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	-593.929993 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	-593.929993 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	-593.929993 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	-593,929993 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	-593,929993 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	-593,929993 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	-593.929993 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-593,929993 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	-593.929993 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	
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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	-593.929993 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.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.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	-593.929993 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 0 0 1	1 2138628886 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009 0 0 1 824746752 3382212733 -880.02002 ± 0.0009 -880.02002 ± 0.0009	
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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	-593,929993 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	1 2138628886 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.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 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	-593,929993 1,29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 -880.02002 0 1 1 1 0 2138628886 3382212733 448.5 -880.02002 1 0 0 0 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 0 0 0 0	
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	-593,929993 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 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.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_Initialize_Cnt_M_lgc	-593,929993 1,29999995 1 369.75 Actual Value 1 2138628886 3382212733 -880.02002 -880.02002 0 0 1 824746752 3382212733 -880.02002 -880.02002 0 1 1 1 0 2138628886 3382212733 448.5 -880.02002 1 0 0 0 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 0 0 1 1 1 0 0 1 1 1 1 1 1 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	✓

Т				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 2.102 (Repeat Count = 1)	Januat 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
/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
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	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
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00633999996
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969
VehDyn_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
VehDyn_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 lgc	0
/ehDyn_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 ForceCenterEffabled_Cht_wigc	-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 VehDyn_PinTrqSV_M_str.K_UIs_f32	13.8999996 0.000419999997		
VehDyn SLPHwAuth Uls M f32	0.573000014		
VehDyn_SLPHwPos_HwDeg_M_f32	-583.669983		
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	5.44999981		
k_LoSpdVDAuthority_UIs_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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTim$			
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 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SellsollesSHWF0S_HV	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		
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	-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	1	1
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	3589476707	3589476707	¥
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	Ž
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-1454.77002 1	-1454.77002 ± 0.009	
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	Ĵ
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 Igc	•		
	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc		0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0		~
	0	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 1 309385728	1 309385728	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 1 309385728 3589476707 -157.490005 -1454.77002	1 309385728 3589476707	~
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 1 309385728 3589476707 -157.490005 -1454.77002	1 309385728 3589476707 -157.490005 ± 0.0009 -1454.77002 ± 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_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 1 309385728 3589476707 -157.490005 -1454.77002 0	1 309385728 3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0	~
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 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0 1 309385728 3589476707 -157.490005 -1454.77002 0 1	1 309385728 3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1	~
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 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0 1 309385728 3589476707 -157.490005 -1454.77002 0 1	1 309385728 3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1	
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 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	0 1 309385728 3589476707 -157.490005 -1454.77002 0 1 1	1 309385728 3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1	~
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 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc	0 1 309385728 3589476707 -157.490005 -1454.77002 0 1 1	1 309385728 3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1 1	
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 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	0 1 309385728 3589476707 -157.490005 -1454.77002 0 1 1	1 309385728 3589476707 -157.490005 ± 0.0009 -1454.77002 ± 0.009 0 1	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	630.77002	630.77002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_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	✓

T				✓
Actual Function	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_M_str.CntrWindow HwDeg f32	0
· - · · · · -	0
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
,	
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0 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	2.51327106e-006 -1600
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
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
hDyn_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
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_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

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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	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_UIs_f32	2.51327106e-006		
VehDyn_SLPHwAuth_Uls_M_f32	0		
VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	-1600 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_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_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		
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	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_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_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	-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			-
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	V
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.PelHypPosEilt1SV_HypPog_str.SV_Llls_f32	1600	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	*
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	-1600 ± 0.009	V
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_UIs_f32	-1600	-1600 ± 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 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0	0 0	~
	0	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_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	✓

Τ				✓
Actual Function	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
	target_DtrmnElapsedTime_mS_u32_ElapsedTime
trmnElapsedTime_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	138.100006
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.20000005
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
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
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
hDyn_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
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
hDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	1.70000005
hDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	88.599985
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
hDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	52282
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	54822322
ehDyn_AutoChtrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
ehDyn_AutoChtrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_i32	0.00125584786
enDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_nwDeg_str.K_Dis_is2	
enDyn_AutoCntrLoSpd_M_str.ReinwPosFilt2SV_HwDeg_str.Sv_Uis_132	-293.049988 0.000850000011

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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		
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 -770.754028		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_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 UIs 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	2659241984		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	463842816		
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	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	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_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	32	
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 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-897.599976 -293.049988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	-293.049988		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-563.150024		
target_VehDyn_Per1_ShrwAg_nwbeg_loz.value 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	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	I Cou
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	,

0

0

2942063360

-293.049988

-293.049988

54822322

0

0

2942063360

-293.049988 ± 0.0009

-293.049988 ± 0.0009

54822322

VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32





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	✓

Т				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_VenDyn_SystemTime_DtfffficapsedTime_ffiS_usz_ElapsedTime target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te_inst_Ap_VehDyn ehDyn AllowHiSpdAutoCntr Cnt M lqc	target_Rte_Inst_Ap_VehDyn
ehDyn_AllownispdAddoCritr_Crit_M_gc ehDyn_AutoCritrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.200012
ehDyn_AutoCntrDetSpd_M_str.wii.vei_mtrRadpS_i32 ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kpri_i32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
·	52,2000008
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	21335
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	
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 0.000852000026
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	
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-
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.FiltPinTrq_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_lgc	1
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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		
, = , = = = = = = = = = = = = = = = = =	-627.179993		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
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		
	0.00042299999		
VehDyn_PinTrqSV_M_str.K_Uls_f32			
VehDyn_SLPHwAuth_Uls_M_f32	0.624000013		
VehDyn_SLPHwPos_HwDeg_M_f32	-552.890015		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568		
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	32.5		
k_TravelXCDeadband_Uls_f32	65.1800003		
k_TravelXCHwAuthority_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	oS_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		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc	D09_102	
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32			
V =	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_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	-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 Igc.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		
		l .	1
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	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	,
	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc			
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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		4004004656 -627.179993 ± 0.0009	_
	4004004656		-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4004004656 -627.179993	-627.179993 ± 0.0009	*
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4004004656 -627.179993 -627.179993	-627.179993 ± 0.0009 -627.179993 ± 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	4004004656 -627.179993 -627.179993 0	-627.179993 ± 0.0009 -627.179993 ± 0.0009 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	4004004656 -627.179993 -627.179993 0 0	-627.179993 ± 0.0009 -627.179993 ± 0.0009 0 0	\rightarrow \frac{1}{2}
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	4004004656 -627.179993 -627.179993 0 0	-627.179993 ± 0.0009 -627.179993 ± 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	4004004656 -627.179993 -627.179993 0 0	-627.179993 ± 0.0009 -627.179993 ± 0.0009 0 0	· · · · · · · · · · · · · · · · · · ·





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_UIs_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	~

Т				✓
Actual Function	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
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	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	

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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	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_Uls_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	~

T				✓
Actual Function	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	39056		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	731.700012 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		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002		
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_UIs_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000425000006 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 Uls f32	0		
k_SrlHwAgVldTiThd_mS_u32	701		
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031		
k_TravelXCDeadband_Uls_f32	63.1199989		
k_TravelXCHwAuthority_Uls_f32	0.141574994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416		
target_GetSystemTime_mS_u32_CurrentTime	1736795392		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$			
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	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_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 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_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	-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_SrlHwAgVld_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_lgc.value	0 354.98999		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		Evenanted Value	D
Name VehDvn AllowHiSedAuteCetr Cet M. Ide	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	
VehDyn AutoCntrDetSpd M str.Timer1_mS_us2 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	131.700012 1 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	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4290967295	4290967295	

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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_UIs_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	✓

T				✓
Actual Function	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
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	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.FiltPinTrq_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_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.199997		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981 86.1999969		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 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	1		
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	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	0.000426000013		
VehDyn_SLPHwAuth_UIs_M_f32 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_TravelXCHwAuthority_Uls_f32	0.142800003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000		
target_GetSystemTime_mS_u32_CurrentTime 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		
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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_inst_Ap_venDyn.VenDyn_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_f:		
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 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	-8.39999962 1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.359985		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	Result
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.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	✓

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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_Uls_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	~

T				✓
Actual Function	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
VehDyn_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
/ehDyn 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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.300003		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.300003		
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_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	-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_UIs_f32	0.000426999992		
VehDyn_SLPHwAuth_Uls_M_f32	0.691999972		
VehDyn_SLPHwPos_HwDeg_M_f32	-511.850006		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1		
k_HiSpdVDAuthority_UIs_f32 k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	703		
k SysKinRatio MtrDegpHwDeg f32	32.0999985		
k TravelXCDeadband Uls f32	61.0600014		
k TravelXCHwAuthority Uls f32	0.144024998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	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		
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	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	-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	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.769989		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	V
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2138628886	2138628886	~
> =			_

49.4199982

49.4199982

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

49.4199982 ± 0.00009

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	•
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	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	✓

Τ				✓
Actual Function	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	_

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	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	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	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_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 Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	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 UIs f32	0
k HwTqMgnThd HwNm f32	6.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	52.4000015
k TravelXCDeadband Uls f32	60.0299988
k_TraveIXCHwAuthority_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_target_Rte_Call_Ap_VehDyn_SystemTime_Otton.	
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	-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
	62.1100006
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	62.1100006
	Actual Value Expected Value Res





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	✓

Τ			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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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.K_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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Pintralfinitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_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.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.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 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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	56.399994 2.4000015 6.3999996 3.4000015 7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
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_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.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Hrialitialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Hrialitialized_Cnt_lgc 1 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.Timer2_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 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.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	2497 004004656 553156835 33.469971 .000652000017 33.469971 .000296000013 56.399994 2.4000015 6.399996 3.4000015 77799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
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VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	56.399994 2.4000015 6.3999996 3.4000015 7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 45 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 16 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 53 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 37 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 416 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 400 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 400 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 93 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 93 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0	56.399994 2.4000015 6.3999996 3.4000015 7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 45 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 16 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 53 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 37 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 416 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 400 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 25 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 93 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 93 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	56.399994 2.4000015 6.3999996 3.4000015 7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 45f VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 16. VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 53. VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 37' VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 416 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 400 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 258 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 93 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 93 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	2.4000015 6.3999996 3.4000015 7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_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.K_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.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	2.4000015 6.3999996 3.4000015 7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 16. VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 53. VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 37. VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 410. VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 400. VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 25. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 93. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 6.4. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 93. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 93. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 2.5. VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	6.3999996 3.4000015 7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 53. VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 37. VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 410. VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 410. VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 400. VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 25. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 93. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 6.4. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 93. VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 2.5. VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0. VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1.	3.4000015 7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 37' VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 41t VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 41t VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 40t VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 25t VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 93: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 93: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	7799 1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 41 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 400 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 255 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 935 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 935 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 1	1632 004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 400 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 255 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 935 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 935 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 1	004004656 553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 25: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 93: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 93: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 0.5 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 0.5 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 1.5	553156835 33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 93: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 93: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	33.469971 .47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 6.4 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 93: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	.47999987e-005 33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 93: VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	33.469971 .51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 2.5 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	
, =	
venDyn_AutoCntrLoSpd_M_str.FilterTinitialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceConterEnabled_Cnt_M_lga_	
VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset HwDeg M f32 -50	
VehDyn HiSpdLearnt Cnt M Igc 0	501.130005
VehDyn Initialize Cnt M Igc 0	
VehDyn LoSpdLearnt Cnt M Igc 0	
	003.302002
	723.966003
, = = 0= =	7.7999992
	.000429000007
	.726000011
, = = = =	191.329987
	039943680
k_HiSpdVDAuthority_Uls_f32 1	
k_HwTqMgnThd_HwNm_f32 0.0	.00120000006
k_LoSpdVDAuthority_Uls_f32	
k_SrlHwAgVldTiThd_mS_u32	000
k_SysKinRatio_MtrDegpHwDeg_f32 10.	0.1000004
k_TravelXCDeadband_Uls_f32 59	9
k_TravelXCHwAuthority_Uls_f32 0.1	.146475002
· ·	129141760
target_GetSystemTime_mS_u32_CurrentTime 175	759885568
	63842816
	039943680
	arget_VehDyn_Per1_CcwEOT_HwDeg_f32
	arget_VehDyn_Per1_CwEOT_HwDeg_f32
	arget_VehDyn_Per1_HwTorque_HwNm_f32
	arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
	arget_VehDyn_Per1_RelHwPos_HwDeg_f32
	arget_VehDyn_Per1_SensorlessAuthority_Uls_f32
	arget_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
	arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
	rrget_VehDyn_Per1_SrlHwAg_HwDeg_f32 rrget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
	arget_VenDyn_Per1_TorqueCritdCRr_MitNfin_tsz arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
	arget_VehDyn_Per1_VehicleSpeed_Kph_f32
	768.330017
	377.52905
	.400001
	14.59998
	33.469971
target VehDyn Per1 SrlHwAgVld Cnt Igc.value 0	
	191.329987
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -8	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 0	
0 = 7 = = 1 = = 20	23.75





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	•

T				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 2.112 (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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Validage Marchen Serger March Control	VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
VeoDup Austoniani Sept M. F. Timer Times in mis use 2020	VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
VARIDAM ASSOCIATION 1.5. TITEST 1.5. T	VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
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VehDyn_HSpatLearnL_Cnt_M_lgs		
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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_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_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_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_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1371.95996 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1023.09998 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1023.09998 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1023.09998 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 0		
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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_SensorlessHwPos_HwDeg_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_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_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1371.95996 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1023.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 2144.59998 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 0	· · · · · · · ·	
target_Rte_Inst_Ap_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_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_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value 1371.95996 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1023.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 103.09998 target_VehDyn_Per1_SrIHwAgVId_Cnt_lgc.value 1144.59998 target_VehDyn_Per1_SrIHwAgVId_Cnt_lgc.value 0		
target_Rte_Inst_Ap_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_Per1_SensorlessAuthority_Uls_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_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_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value controlled target_VehDyn_Per1_SriHwAgVid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per1_Sent_VehDyn_Per		
target_Rte_Inst_Ap_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_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_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_VehDyn_Per1_		
target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_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_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CowEOT_HwDeg_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.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 0	<u> </u>	
target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg_VehDyn_Per1_SrlHwAg		
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 target_VehDyn_Per1_MTorque_HwNm_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_SrlHwAgVld_Cnt_Igc.value 0		
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_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_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVId_Cnt_Igc.value 0		
target_Rte_Inst_Ap_VehDyn_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 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 0		
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 target_VehDyn_Per1_SrlHwAgVId_Cnt_igc.value 0		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1371.95996 target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.599999 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1023.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -1144.59998 target_VehDyn_Per1_SrlHwAgVid_Cnt_igc.value 0		
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 target_VehDyn_Per1_SrlHwAgVid_Cnt_igc.value 0		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1023.09998 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -1144.59998 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 0		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -1144.59998 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 0		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 0		
	target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-481.070007





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	Result
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_UIs_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	✓

T				✓
Actual Function	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.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	30404
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 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	
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	66.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.400002
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCotrl eSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835 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_UIs_f32	91.0800018
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
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 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_UIs_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32	0.000430999993
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_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	75.5
k_TravelXCDeadband_Uls_f32	56.9399986 0.148925006
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
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
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_VehDyn.VehDyn_Per1_SensorlessAuthority_ois_132 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	-755.809998 -499.90999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1366.39099 7.80000010
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	7.8000019 -759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	91.0800018
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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_Igc	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	~

T			✓	
Actual Function	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 _ / _ / _ / _ / _ / _ / _ / _ / _ / _	





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_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	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	✓

Τ			✓	
Actual Function	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)		
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 Variory Auto-Controlled M. In Principle (102 VACOVA AUXO-CONTROL		
VARDUM_AMACOMICHESQL_M_SERIALSCUST_NEW_DESC_NE	Name	Input Value
Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Vestoria part V. Us. 102 Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. As Reinherson Str. y Language 197. Vestorp, Nutsconfesting M. M. As Reinherson M. Vestorp, Nutsc	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
Verbilly, Authorithmic Ref. M. ar Retherboris SV, Harbog, and SV, Har, SSZ Verbilly, Nauconflicted Ref. Mar. Retherboris SV, Harbog, and SV, Harbog Verbilly, Nauconflicted Ref. Mar. Retherboris SV, Harbog, and SV, Harbog, Mar. Retherboris SV, Harbog, Nauconflicted Ref. Mar. Retherboris Cort. Igo Verbilly, Nauconflicted M. Mar. Retherboris Into. J. Mar. Retherboris Verbilly, Nauconflicted M. Mar. Retherboris Into. J. Mar. Retherboris Verbilly, Nauconflicted M. Mar. Retherboris Verbilly, Junconflicted M. Mar. Retherboris Verbilly, Jun	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002
VanDury AuthOrd DeSign M. or Print Fordination Civilian VanDury AuthOrd DeSign M. or Print Fordination Civilian VanDury AuthOrd DeSign M. or Print Fordination Civilian VanDury AuthOrd DeSign M. or Print Fordination Co. Ligo 1 VanDury AuthOrd DeSign M. or Print Fordination Co. Ligo 1 VanDury AuthOrd DeSign M. or Print Fordination Co. Ligo 1 VanDury AuthOrd DeSign M. or Print Fordination Co. Ligo 1 VanDury AuthOrd DeSign M. or Print Fordination Co. Ligo 10 VanDury AuthOrd DeSign M. or Print Fordination Co. Ligo 10 VanDury AuthOrd DeSign M. or Print Fordination Co. Ligo 10 VanDury AuthOrd DeSign M. or Print Fordination 10 VanDury AuthOrd Design M. or	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971
Verbilly, Author/Cherysia, Marie Fileschier Cort. Igc	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002
Verbity, AutoCombission, M. Ser Ferricharison, Circ. Igo. Verbity, AutoCombission, M. Ser Ferricharison, Service Service, Verbity, AutoCombission, M. Se	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VerDips, Auchiconitistical, Miss Februinistance Critique VerDips, Auchiconitistical, Miss Februinistance Critique VerDips, Auchiconitistical, Miss Verbips, Miss Central College VerDips, Auchiconitistical, Miss Verbips, Miss Ve	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VARDIA, NASCOMERSE, M. Jan. Filher Intellized, Cit. Igo. 1 1 VARDIA, NASCOMERSE, M. Jan. Filher Intellized, Cit. Igo. 1 1 VARDIA, NASCOMERSE, M. Jan. VARDIA, M. VER, METASS, 12 VARDIA, NASCOMERSE, M. Jan. VARDIA, M. VER, METASS, 12 VARDIA, NASCOMERSE, M. Jan. VARDIA, M. VER, METASS, 145 VARDIA, NASCOMERSE, M. Jan. Timer Intellized, S. VER, VER, VER, VER, VER, VER, VER, VER,	VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
VehDyn AusChriftings M. art Web Birthaus S12 186	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
Verbity, AuscontHighty, M. attribition, M. attribition, M. attribution, M. att		1
Vicibing AutoComMissed, M. att Printer Water 15	VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	124
VehDyn AutContestSpd M str CHANNOW NEWSER 22 85		186
VenDry AutoCentrissed, M. str. Term Friender, Str. Us. 1922 Section 1.		14.5
VehDyn, AutoContrision M. str Timer Threet, m.S., U10		
VenDry Auto-Christop M. st. Timer M. Su2	·	
VerbingAusCortHisSolM.st.Timer.l.ms.j.02		
VehDyn_AutConfinished_M_strainer_ms_us2		
VehDyn_AutContrisSpd_M_streetwood=itstSy_Mode_atstSy_Lib_Spd_00000000000000000000000000000000000		
VenDry AusConfriskog M. Frailler Frailler Common 1874 (VenDry 1874 (Ven		
VerbDy_AutCrith(Spd_M_Str_RetherPosit(SDV_HoDeg_str_K_Uis_G2 VerbDy_RetherPosit(Spd_M_str_RetherPosit(SDV_HODeg_str_K_Uis_G2 VerbDy_RetherPosit(Spd_M_str_RetherPosit(SDV_HODeg_str_K_Uis_G2 VerbDy_RetherPosit(Spd		
VebDyn, AutoCntrisSpd, M. str Reth*PosFill2Sy, More as K, Uis, E32		
VehDyn, AutoCriteriSpd, M. str Filler Enable, Cnt. lys		
VerbDyn_AutOchtHiSpd_M_str_FillerUnitalized_CnLige		
Verbyn_AutoChritHsSpd_M_str-FilterInialized_Cnt_lgc		
VerbOyn, AutoCritt-Rispd M, str. Mitric MirRadpS_G2 10.39999996 VerbOyn, AutoCritt-CoSpd M, str. MirPal M, MRadpS_G2 64.4000015 VerbOyn, AutoCritt-CoSpd M, str. VerbSpd_kpn_192 64.4000015 VerbOyn, AutoCritt-CoSpd M, str. Timer1 Thresh, mS_U16 29.076 VerbOyn, AutoCritt-CoSpd M, str. Timer1 Thresh, mS_U16 43888 VerbOyn, AutoCritt-CoSpd M, str. Timer1 mS_U12 429.967295 VerbOyn, AutoCritt-CoSpd M, str. Timer1 mS_U22 429.967295 VerbOyn, AutoCritt-CoSpd M, str. RelieMPositistSV HWDeg_str. VUIs_132 1374-40002 VerbOyn, AutoCritt-CoSpd M, str. RelieMPositistSV HWDeg_str. VUIs_132 1347-40002 VerbOyn, AutoCritt-CoSpd M, str. RelieMPositistSV HWDeg_str. VUIs_132 1347-40002 VerbOyn, AutoCritt-CoSpd M, str. RelieMPositistSV HWDeg_str. VUIs_132 1347-40002 VerbOyn, AutoCritt-CoSpd M, str. ReliemPositistSV HWDeg_str. VUIs_132 0.00085999976-005 VerbOyn, AutoCritt-CoSpd M, str. ReliemPositistSV HWDeg_str. VUIs_132 0.000859999971 VerbOyn, AutoCritt-CoSpd M, str. Filter Erable, Crit_Ug 0 VerbOyn, AutoCritt-CoSpd M, str. Filter Timalized Crit_Ug 1 VerbOyn, AutoCritt-CoSpd M, str. Filter Timalized Crit_Ug 1 VerbOyn, AutoCritt-CoSpd M, str. Filter Timalized Crit_Ug <t< td=""><td></td><td></td></t<>		
VerbDyn_AutoCnitLoSpd_M_str_Verbgv_kph_132		
VehDyn_AutoCnitLoSpd_M_str_KithPring_Hwhm_132		
VehDyn_AutoCnitLoSpd_M_str.CnitVindow_Hobe_IS2 4.40000015 VehDyn_AutoCnitLoSpd_M_str.CnitVindow_Hobe_IS2 4.54000015 VehDyn_AutoCnitLoSpd_M_str.Timer1Thresh_mS_u16 29076 VehDyn_AutoCnitLoSpd_M_str.Timer2Thresh_mS_u16 43868 VehDyn_AutoCnitLoSpd_M_str.Telmer4_mS_u32 4294967255 VehDyn_AutoCnitLoSpd_M_str.Telmer4_mS_u32 4294967265 VehDyn_AutoCnitLoSpd_M_str.RelmeVosFitISV_HvDeg_str.K_Uis_IS2 559999756-005 VehDyn_AutoCnitLoSpd_M_str.RelmeVosFitISV_HvDeg_str.K_Uis_IS2 1347.40002 VehDyn_AutoCnitLoSpd_M_str.RelmeVosFitISV_HvDeg_str.K_Uis_IS2 000095999971 VehDyn_AutoCnitLoSpd_M_str.RelmeVosFitISV_HvDeg_str.K_Uis_IS2 100095999971 VehDyn_AutoCnitLoSpd_M_str.Filter1Enable_C on_Uige 1 VehDyn_AutoCnitLoSpd_M_str.Filter2Enable_C nl_Uige 0 VehDyn_AutoCnitLoSpd_M_str.Filter2Intalized_Cnl_Uige 1 VehDyn_AutoCnitLoSpd_M_str.Filter2Intalized_Cnl_Uige 1 VehDyn_AutoCnitLoSpd_M_str.Filter2Intalized_Cnl_Uige 1 VehDyn_ForceCenterEnable_Cnl_Uige 1 VehDyn_ForceCenterEnable_Cnl_Uige 1 VehDyn_ForceCenterEnable_Cnl_Uige 1 VehDyn_ForceCenterEnable_Cnl_Uige 1 <		
VehDyn_AutoCnitLoSpd_M_str.Timer1Thresh_mS_u16	VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 29076 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4294967295 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948758 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948758 VehDyn_AutoCntrLoSpd_M_str.RelHwPoSrittSV_HvDeg_str.Sv_UIs_f32 4374 70002 VehDyn_AutoCntrLoSpd_M_str.RelHwPoSrittSV_HvDeg_str.K_UIs_f32 65899976-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPoSrittSV_HvDeg_str.K_UIS_g2 000085999971 VehDyn_AutoCntrLoSpd_M_str.RelHwPoSrittSV_HvDeg_str.K_UIS_g2 000085999971 VehDyn_AutoCntrLoSpd_M_str.RelHwPoSrittSV_HvDeg_str.K_UIS_g2 0 VehDyn_AutoCntrLoSpd_M_str.RelHwPoSrittSV_HvDeg_str.K_UIS_g2 0 VehDyn_AutoCntrLoSpd_M_str.RelTerLeabele_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.RelTerLeabele_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.RelTerLeabele_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.RelTerLeabele_Cnt_lgc 1 VehDyn_EorceCenterCribsed_Cnt_M_lgc 1 VehDyn_RelTerCenterCrasped_Cnt_M_lgc 1 VehDyn_Indistize_Cnt_M_lgc 1 VehDyn_Indistize_Cnt_M_lgc 1 VehDyn_Indistize_Cnt_M_lgc 1 VehDyn_MinOribet	VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrLoSpd_M_str.Timerl_mS_u32 429967295 VehDyn_AutoCntrLoSpd_M_str.Timerl_mS_u32 429967295 VehDyn_AutoCntrLoSpd_M_str.Timerl_mS_u32 3174948758 VehDyn_AutoCntrLoSpd_M_str.ReithwoFsifitSV_HwDe_str.Sv_Uis_r32 1347.40002 VehDyn_AutoCntrLoSpd_M_str.ReithwoFsifitSV_HwDe_str.Sv_Uis_r32 1347.40002 VehDyn_AutoCntrLoSpd_M_str.ReithwoFsifitSV_HwDe_str.Sv_Uis_r32 000085999971 VehDyn_AutoCntrLoSpd_M_str.FitterTenable_Cnt_go 1 VehDyn_AutoCntrLoSpd_M_str.FitterZenable_Cnt_go 0 VehDyn_AutoCntrLoSpd_M_str.FitterZenable_Cnt_go 0 VehDyn_AutoCntrLoSpd_M_str.FitterZenable_Cnt_go 1 VehDyn_AutoCntrLoSpd_M_str.FitterZenable_Cnt_go 1 VehDyn_EorceCenterCnterStr.HwDe_g_M 732 11.489998 VehDyn_LoSpd_Learn_Cnt_M_go 1 VehDyn_LoSpd_Learn_Cnt_M_go 1 VehDyn_LoSpd_Learn_Cnt_M_go 1 VehDyn_LoSpd_Learn_Cnt_M_go 1 VehDyn_LoSpd_Learn_Cnt_M_go 1 VehDyn_MaxOffiset_HwDe_g_M 732 49.22908 VehDyn_Min_Str.HwDe_g_M 732 49.72298 VehDyn_StrHwAyUM_M_M_Str.K_UIs_S2 0.79400003 VehDyn_StrHwA	VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.4000015
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k_TravelXCHwAuthority_Uls_f32	k_SysKinRatio_MtrDegpHwDeg_f32	56.0999985
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_CurrentTime 4243378688 2127166208 2728878080 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	k_TravelXCDeadband_Uls_f32	54.8800011
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_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_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_VehDyn_Per1_HwTorque_HwNm_f32	k_TravelXCHwAuthority_Uls_f32	0.151374996
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_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544
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_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2728878080 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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32		2127166208
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_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_VehDyn_Per1_HwTorque_HwNm_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_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VenDyn.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_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
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_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_nte_inst_ap_venbyn.venbyn_Pen_Sinnwag_Hwbeg_132	raigat_vairbyii_Fei i_SiiriwAy_riwbey_132





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCr	ndCRF_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_VehicleSp	peed_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	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	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_lgc	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_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	·
VehDyn_MaxOffset_HwDeg_M_f32	1355.25305	1355.25305	✓
VehDyn_MinOffset_HwDeg_M_f32	-743.289978	-743.289978	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1969271	15.1969271 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
	1110 00001		

au				
Actual Function	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	•

1448.89001

1448.89001 ± 0.1

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

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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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_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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_AutoCntrlliSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
VehDyn_AutoCntrlHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	0.000315999991
VehDyn_AutoCntrlHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrl_cSpd_M_str.MtrVel_MtrRadpS_f32	56.1199989
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.1199989
VehDyn_AutoCntrl_oSpd_M_str.FiltPinTrq_HwNm_f32	16.1200008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.1200027
VehDyn_AutoCntrl_oSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrl_sSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	255468 3382212733
VehDyn_AutoCotrl_oSpd_M_str.Timer2_mS_u32	355.5
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1111
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.579999e-005
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5 0.000861999986
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000001999900
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
7 - 1 - 2	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn ForceCenterEnabled Cnt M lgc	1
VehDyn_ForceCenterErlabled_Cht_M_gc VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	-1.36000004
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	-928.262024
VehDyn MinOffset HwDeg M f32	-920.202024 -690.546021
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-690.546021 14
VehDyn PinTrqSV_M_str.SV_UIs_f32 VehDyn PinTrqSV M str.K UIs 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	5.099999
k_LoSpdVDAuthority_Uls_f32	0
k SrlHwAgVldTiThd mS u32	70
k SysKinRatio MtrDegpHwDeg f32	54.4000015
k_SyskinRatio_MtrDegpHwDeg_132 k_TravelXCDeadband_Uls_f32	53.8499985
k_TraveIXCHwAuthority_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 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
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_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_TorqueCmo	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	-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	Resul
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 Igc	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_Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc	1	1	
VehDyn HiSpdLearnt Cnt M Igc	0	0	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_Initialize_Crit_M_igc	0	0	
VenDyn_Lospaceami_cm_gc VenDyn_MaxOffset_HwDeg_M_f32	1349.68396	1349.68396	
VenDyn_MinOffset_HwDeg_M_f32	-737.030029	-737.030029	
VenDyn_ninionset_nwbeg_ini_i32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9976301	13.9976301 ± 0.00009	
VenDyn_PiiTriqSV_M_Str.SV_Ois_i32 VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	
target VehDyn Per1 SensorlessAuthority Uls f32.value	1	1 ± 0.004	
target_VenDyn_Per1_SensoriessAutrionty_ois_isz.value target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32.value	357.079987	357.079987 ± 0.1	

T.				
Actual Function	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 2.117 (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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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.300031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	14442
VehDyn_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	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.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000319999992
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	86.2200012
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_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	933.254028
VehDyn_MinOffset_HwDeg_M_f32	-683.862
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.8999962
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	824746752
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVIdTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	85.4000015
k_TravelXCDeadband_Uls_f32	52.8199997
Is TransalVCI has A rather site. I He 600	0.153825
k_TravelXCHwAuthority_Uls_f32	
target_DtrmnElapsedTime_mS_u32_ElapsedTime	170564352
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	170564352 3039943680
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	170564352 3039943680 1050692864
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	170564352 3039943680 1050692864 824746752
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime 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	170564352 3039943680 1050692864 824746752 target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	170564352 3039943680 1050692864 824746752





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_SensorlessHv	vPos_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_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	IValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	I_Kph_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	Resul
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	71004
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 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 AutoCntrHiSpd M str.Timer1 mS u32	164464918	164464918	
, - ,	3589476707	3589476707	
VehDyn_AutoCotrl ISad M. etc. Pall In Page 1145 V. Lin Page 145 SV. Lilla 633	995.5	995.5 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			
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	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 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	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	348.61499	348.61499	•
VehDyn_MinOffset_HwDeg_M_f32	-683.862	-683.862	•
VahDum DinTraCV/ M ata CV/ Llla f22	0.00007050	0.00007755 + 0.000000	

T				✓
Actual Function	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	~

8.89987659

824746752

897.169983

8.89987755 ± 0.000009

824746752

897.169983 ± 0.1

1 ± 0.004

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	

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_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	14.300002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364 52716
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoChtrDetSpd_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	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000666000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000323999993
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 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	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	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	938.245972 -677.177979
VenDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000436000002
VehDyn SLPHwAuth Uls M f32	0.845000002
VehDyn SLPHwPos HwDeg M f32	-419.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_Uls_f32	0.30000012
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	51.7900009
k_TravelXCHwAuthority_Uls_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_u33_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Nte_Call_Ap_venDyn_System*fille_GetSystem*fille_iniS_u32_current*fille	333333.23





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe	eg_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_SensorlessAuth	hority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwF	Pos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_C	nt 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_VehicleSpeedV	/alid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed			
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	Result	
	2967684784	2967684784		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32				
	3174948758	3174948758 -880.02002 ± 0.0009	- V	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	111111111111111111111111111111111111111		
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	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc			- V	
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	Y	
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	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	~	

Т				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 2.119 (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_is2 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

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N	Inner Males			
Name	Input Value			
target_GetSystemTime_mS_u32_CurrentTime	2075080192			
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_OctOut.com				
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		arget_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	arget_VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	arget_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	2		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-718.25 1332.97705			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	9			
target_VehDyn_Per1_HwTorque_HwNm_f32.value				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-759.549988 -1454.77002			
	0			
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value				
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 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.850006			
		Funcated Value	Danulé	
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	Ž	
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_Igc	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 -1454.77002 ± 0.009	-	
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		-	
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	274107514	274107514	-	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	255468	255468		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	-	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009		
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1		
, - ,	0	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc				
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				
VehDyn_MaxOffset_HwDeg_M_f32	1332.97705	1332.97705		
VehDyn_MinOffset_HwDeg_M_f32	7 90059719	7.805.8718 + 0.000000		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80058718	7.80058718 ± 0.000009		
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752		
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 -1600	1 ± 0.004		
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1000	-1600 ± 0.1	¥	

Τ				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_Igc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005 10.199998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 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.RelHwPosFilt1SV_HwDeg_str.R_0is_i32	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
It LiCod / DA uthority Lile 522	
k_HiSpdVDAuthority_Uls_f32	0.5
k_HwTqMgnThd_HwNm_f32	0.5 9.10000038
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k_HwTqMgnThd_HwNm_f32	9.10000038





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Integret_VerDyn_Pert_CoeEGT_Hybeg_B2_value					
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Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc 1 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 328928812 328928812 ✓ ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4211288631 4211288631 ✓ ✓ ✓ ✓ ✓ VehDyn_AutoCntrDetSpd_M_str.Filler1Enable_Cnt_lgc 267.709991 267.709991 ± 0.0009 ✓ ✓ VehDyn_AutoCntrDetSpd_M_str.Filler1Enable_Cnt_lgc 1 1 1 ✓ ✓ VehDyn_AutoCntrDetSpd_M_str.Filler1Entable_Cnt_lgc 1 1 1 ✓ ✓ VehDyn_AutoCntrDetSpd_M_str.Filler2Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Filler2Intablezed_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filler2_mS_u32 954802432 954802432 ✓ VehDyn_AutoCntrHiSpd_M_str.Filler2_mS_u32 4211288631 4211288631 4211288631 ✓ VehDyn_AutoCntrHiSpd_M_str.Filler2_mS_u32 427709991 267.709991 ± 0.0009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filler4_MemberSitEsV_HWDeg_str.Sv_Uis_f32 267.709991 267.709991 ±	· - / · ·				
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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_UIs_f32 267.709991 267.709991 ± 0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 267.709991 267.709991 ± 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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 0 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 ✓ VehDyn_MinOffset_HwDeg_M_f32		0	0	✓	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 267.709991 267.709991 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 267.709991 267.709991 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc 1 1 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_HiSpdLearnt_Cnt_M lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M lgc 0 VehDyn_Initialize_Cnt_M lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 1327.40796 VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 -711.98999 VehDyn_SriHwAgVIdTimer_mS_M_u32 954802432 VehDyn_SriHwAgVIdTimer_mS_M_u32 412.004 VehDyn_Per1_SensorlessAuthority_UIs_f32.value VehDyn_Per1_SensorlessAuthority_UIs_f32.value <td></td> <td>1</td> <td>1</td> <td>~</td>		1	1	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 267.709991 267.709991 ± 0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 267.709991 267.709991 ± 0.0009 ✓ VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 4 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 4 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 4 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 4 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 0 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 ✓ VehDyn_SinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 ✓ VehDyn_SrlHwAgVIdTimer_mS_M_u32 3.20256662	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	954802432	954802432	✓	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 267.709991 267.709991 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 267.709991 267.709991 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 1 1 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 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	, _ ,			~	
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_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	•	
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 1327.40796 1327.40796 VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 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 1327.40796 1327.40796 ✓ VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 ✓ VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 ✓ target_VehDyn_Per1_SensorlessAuthority_Uls_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 1327.40796 1327.40796 ✓ VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 3.20256662 3.20256662 ± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 ✓ 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 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓	
VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 ✓ VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 ✓ VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 ✓ VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 ✓ target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 ✓	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_LoSpdLearnt_Ont_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~	
VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_MaxOffset_HwDeg_M_f32 1327.40796 1327.40796 VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004		0	0	~	
VehDyn_MinOffset_HwDeg_M_f32 -711.98999 -711.98999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004		1327.40796	1327.40796	~	
VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.20256662 3.20256662 ± 0.000009 VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004		-711.98999	-711.98999	~	
VehDyn_SrlHwAgVldTimer_mS_M_u32 954802432 954802432 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004		3.20256662	3.20256662 ± 0.000009	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 ± 0.004 ✓				~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value -130.350006 -130.350006 ± 0.1 ✓		1	1 ± 0.004	~	
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-130.350006	-130.350006 ± 0.1	~	



Т				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	-

est Step 2.121 (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	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	34.0999985
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.099985
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.1000004
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh mS u16	20423
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	31368
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
ehDyn_AutoChtrLoSpd_M_str.Timer1_m3_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
enDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_i32	-293.049986 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

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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_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 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	✓

T				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 2.122 (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	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	0.000339999999
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	2.20000005
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.1999969
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
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.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	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	✓

T .				✓
Actual Function	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_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	8.1000038
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_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	106.300003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
ehDyn_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





Name	Input Value			
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	697.789978			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1			
VehDyn_Initialize_Cnt_M_lgc	0			
VehDyn_LoSpdLearnt_Cnt_M_lgc	1			
VehDyn_MixOffset_HwDgq_M_f32	-963.205994 -643.757996			
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5			
VehDyn_PinTrqSV_M_str.K_UIs_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_UIs_f32	0			
k_HwTqMgnThd_HwNm_f32	6.32000017			
k_LoSpdVDAuthority_Uls_f32	1			
k_SrlHwAgVldTiThd_mS_u32	91986			
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985			
k_TravelXCDeadband_Uls_f32	46.6399994			
k_TravelXCHwAuthority_UIs_f32	0.161174998			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344			
target_GetSystemTime_mS_u32_CurrentTime	309385728			
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	824746752			
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTim$	ne 123			
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_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_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_Mtrl			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C target_VehDyn_Per1_VehicleSpeed_Kph_f3			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-693.210022	32		
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 Igc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.050003			
Name	Actual Value			
		Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M lgc	0	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		•	Result	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0 2345892860	0 2345892860		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0 2345892860 309385728	0 2345892860 309385728		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 2345892860 309385728 -475.299988	0 2345892860 309385728 -475.299988 ± 0.0009	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	0 2345892860 309385728 -475.299988 -475.299988	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009		
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	0 2345892860 309385728 -475.299988 -475.299988	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009	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	0 2345892860 309385728 -475.299988 -475.299988 1	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1		
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	0 2345892860 309385728 -475.299988 -475.299988 1	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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 2345892860 309385728 -475.299988 -475.299988 1	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 2345892860		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 2345892860 1024		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 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.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 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860 1024 -475.299988 -475.299988	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 2345892860 1024 -475.299988 ± 0.0009 -475.299988 ± 0.0009 0		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860 1024 -475.299988 -475.299988	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 2345892860 1024 -475.299988 ± 0.0009 -475.299988 ± 0.0009 0 1		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860 1024 -475.299988 -475.299988 0 1 1	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 2345892860 1024 -475.299988 ± 0.0009 -475.299988 ± 0.0009 0 1		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860 1024 -475.299988 -475.299988 0 1 1 1 0	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 2345892860 1024 -475.299988 ± 0.0009 -475.299988 ± 0.0009 0 1 1 0		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860 1024 -475.299988 -475.299988 0 1 1 1 0 2345892860	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 1 2345892860 1024 -475.299988 ± 0.0009 -475.299988 ± 0.0009 0 1 1 0 2345892860		
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.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.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.Filter1Sniter2Unitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860 1024 -475.299988 0 1 1 0 2345892860 1024	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 1 2345892860 1024 -475.299988 ± 0.0009 -475.299988 ± 0.0009 0 1 1 0 2345892860 1024		
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.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.Filter1Enable_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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860 1024 -475.299988 0 1 1 0 2345892860 1024 -475.299988	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 1 2345892860 1024 -475.299988 ± 0.0009 0 1 1 0 2345892860 1024 -475.299988 ± 0.0009		
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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.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_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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1_mS_u32 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	0 2345892860 309385728 -475.299988 -475.299988 1 1 1 1 2345892860 1024 -475.299988 0 1 1 0 2345892860 1024 -475.299988 -475.299988 -475.299988	0 2345892860 309385728 -475.299988 ± 0.0009 -475.299988 ± 0.0009 1 1 1 1 2345892860 1024 -475.299988 ± 0.0009 0 1 1 0 2345892860 1024 -475.299988 ± 0.0009 -475.299988 ± 0.0009	Result	





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	✓

Τ				✓
Actual Function	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	~

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	
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	211.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5 96.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000877999992
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
/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	18.2000008
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000677999982
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000348000001
/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
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	66.5
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	116.5
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	10.5
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	54.5
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	53759
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrLoSpd_M_str.Timer2+mesn_ms_u+o	2553156835
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_0is_i32	6.73999966e-005

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VehDyn_Per1



			•	
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			
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	797.700012 0			
VehDyn_HiSpdLearnt_Cnt_M_lgc	0			
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0			
VehDyn MaxOffset HwDeg M f32	968.197998			
VehDyn MinOffset HwDeg M f32	-637.073975			
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00044199999			
VehDyn SLPHwAuth Uls M f32	0.947000027			
VehDyn_SLPHwPos_HwDeg_M_f32	-357.950012			
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477			
k_HiSpdVDAuthority_Uls_f32	0.5			
k_HwTqMgnThd_HwNm_f32	1			
k_LoSpdVDAuthority_Uls_f32	0			
k_SrlHwAgVldTiThd_mS_u32	12			
k_SysKinRatio_MtrDegpHwDeg_f32	75.4000015			
k_TravelXCDeadband_Uls_f32	45.6100006			
k_TraveIXCHwAuthority_Uls_f32	0.162400007			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104			
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_u33_ElapsedTi				
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime		700		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDe	_		
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_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_VehDyn_Per1_SrlHwAgVld_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 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	-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		Resul
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	-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_lgc	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2659241984 4290967295	2659241984 4290967295		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009		
VehDyn_AutoCntrHiSnd_M_str_RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009		

-157.490005

2659241984

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-157.490005

-157.490005

0

0

0

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_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

-157.490005 ± 0.0009

-157.490005 ± 0.0009

-157.490005 ± 0.0009

0

0

0

2659241984

4290967295





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_UIs_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	✓

Т	T			✓
Actual Function	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_DtfffficialpsedTime_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	2.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
· - · ·	86.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	11.1
/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	2553156835
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
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	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.199997
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000307999988
/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	600.200012
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	84.1999969
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	8.1999981
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	96.1999969
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	3658
/ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1576.71997 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		
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	-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			
k_SrlHwAgVIdTiThd_mS_u32	4856 86.0999985		
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	55.9099998		
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_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	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		
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	-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	-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 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-460.549988 3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.4500008		
		Expected Value	Dogulé
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 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	Ž
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	-
		2127166208	✓
	2127166208		_
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
		2967684784 1576.71997 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	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	2967684784 1576.71997	1576.71997 ± 0.009	V
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	2967684784 1576.71997 1576.71997	1576.71997 ± 0.009 1576.71997 ± 0.009	V
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	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	~

Τ	T			
Actual Function	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 2.126 (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_Uls_f32	0.000682000013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000356000004
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	2.70000005
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.699997

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Manus	Innut Value		
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	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_UIs_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		
_ : := -	9.19999981		
k_HwTqMgnThd_HwNm_f32	0		
k_LoSpdVDAuthority_UIs_f32			
k_SrlHwAgVIdTiThd_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_Elapsed	Ti 824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_	e 4178051584		
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		
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_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_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	·	
	-674	5 <u>C</u>	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	1293		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 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_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832	
·	2138628886		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	969.01001	2138628886 969.01001 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	





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	~

T	au			
Actual Function	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
/ehDyn_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
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_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
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_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
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
/ehDyn_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		
VehDyn_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16	3186 3174948758		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998		
VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc	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_SLPHwPos_HwDeg_M_f32	-121.970001		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736		
k_HiSpdVDAuthority_Uls_f32	0.779999971		
k_HwTqMgnThd_HwNm_f32	5.25		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVIdTiThd_mS_u32	91986		
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	21.9200001 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	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_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_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	VDeg_I32	
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	-542.969971		
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_SriHwAg_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	Fyma ato d Value	
Name VahDun AllowHiSadAutoCatr Cat M Iga	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1		
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 Igc	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	~

T				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 2.128 (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	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 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32	156.899994 3.9000001			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.900001			
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_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	1197.33997			
VehDyn_HiSpdLearnt_Cnt_M_lgc	0			
VehDyn Initialize Cnt M Igc	0			
VehDyn_LoSpdLearnt_Cnt_M_lgc	0			
VehDyn_MaxOffset_HwDeg_M_f32	988.166016			
VehDyn_MinOffset_HwDeg_M_f32	-610.338013			
VehDyn_PinTrqSV_M_str.SV_Uls_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_UIs_f32	1			
k_HwTqMgnThd_HwNm_f32	1.10000002 0.779999971			
k_LoSpdVDAuthority_UIs_f32 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			
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elapse$	dTi 2728878080			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTire	ne 2644937728			
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_1			
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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_ target_VehDyn_Per1_SensorlessAuthority			
target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32	target_venDyn_Per1_SensoriessAuthority target_VehDyn_Per1_SensoriessHwPos_H			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgi			
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_	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_SrlHwAg.HwDeg_f32.value	316 910004			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-316.910004 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	nosui	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835		
VehDyn AutoCntrDetSnd M str RelHwPosFilt1SV HwDeg str SV Llls f32	-913 679993	-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	~

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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_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	-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	~

Τ				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 2.130 (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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	Input Value
, =	38868
,	57944
, _	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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
, = 1 = = = = = = = = = = = = = = = = =	0.000228000004
, _ ,	0
, = =	0
, , , , , , , , , , , , , , , , , , , ,	1
7 = 1 = = = = = = = = = = = = = = = = =	539.099976
	176.100006
	3.099999
	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_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.09999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
, =	0.000829999975
7 7 2 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	0
, =	1
, _ ,	1
, = - = = = = = = = = = = = = = = = = =	0
, _ ,	1
, = = = = = =	997.52002 0
1) = 111 11 21 2 231	1
, = = = = = = = = = = = = = = = = = = =	0
7 7 2 7 7 7 2 7 2 2 3	818.437988
VehDyn_MinOffset_HwDeg_M_f32	-837.593994
	-1.60000002
	0.000411999994
	0.437000006
VehDyn_SLPHwPos_HwDeg_M_f32	-665.75
	2728878080
	0.89999976
	3.099999
k_LoSpdVDAuthority_UIs_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_GetSystemTime_mS_u32_CurrentTime	
	target_VehDyn_Per1_CcwEOT_HwDeg_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
0 = = = 1	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_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target VehDyn Per1 SrlHwAg HwDeg f32
target_Rte_inst_Ap_venDyn_VenDyn_Peri_SriHwAg_HwDeg_r32 target_Rte_inst_Ap_vehDyn_VehDyn_Peri_TorqueCmdCRF_MtrNm_f32	target_VenDyn_Per1_SriHwAg_HwDeg_t32 target_VenDyn_Per1_TorqueCmdCRF_MtrNm_f32
	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
	target_VehDyn_Per1_VehicleSpeed_Kph_f32
	-874.75
target VehDyn Per1 CcwEOT HwDeg f32.value	1356.87
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDvn_Per1_CwEOT_HwDeg_f32.value	process of the contract of the
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	4
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	4 -75.5400009
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	-75.5400009
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	-75.5400009 -275.019989
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_SrlHwAg_HwDeg_f32.value	-75.5400009 -275.019989 1
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_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-75.5400009 -275.019989 1 -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	✓

Τ				
Actual Function	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 -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	~

τ				
Actual Function	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 2.132 (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 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	136.199997 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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000380000012
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 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	457.899994 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 VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterEnabled_Cht_lw_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	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_Uls_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 k_LoSpdVDAuthority_Uls_f32	1.10000002 0
k_CospavDAuthority_Ois_132 k_SrlHwAgVldTiThd_mS_u32	702
k SysKinRatio MtrDegpHwDeg f32	45.0999985
k TravelXCDeadband Uls f32	37.3699989
k_TraveIXCHwAuthority_UIs_f32	0.172199994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864
target_GetSystemTime_mS_u32_CurrentTime	1662097408
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	89
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	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_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_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_venDyn_VenDyn_Per1_SriHwAg_HwDeg_r32 target_Rte_Inst_Ap_vehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_venDyn_Per1_SnHwAg_HwDeg_t32 target_vehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_rtorqueCridCRr_MtiNfin_i32 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	-636.869995
	1260.57996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	
target_VehDyn_Per1_CwEO1_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.5
	-3.5 1100.77002





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_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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_lgc	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_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	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	•

Τ				✓
Actual Function	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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Velicity Author/Chiefe Sept M. Set Principationals Cell by	VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000896000012
VenDry Auscone (VenDry Auscone) VenDry Ausco	VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
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VerDyn_AutoCrintHSpd_M_str.FilterInitialized_Crt_lgc	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn, AutoCriticSpd, M. str. VehSpd, kpt. 122 VehDyn, AutoCriticSpd, M. str. VehSpd, kpt. 132 VehDyn, AutoCriticSpd, M. str. TimerThreal, m. Sur16 VehDyn, AutoCriticSpd, M. str. TimerThreal, m. Sur16 VehDyn, AutoCriticSpd, M. str. TimerThreal, m. Sur16 VehDyn, AutoCriticSpd, M. str. TimerT, m. Sur18 VehDyn, AutoCriticSpd, M. str. TimerT, m. Sur18 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, AutoCriticSpd, M. str. RelHwPoSitHSV, HwDeg, str. V. Uls, 132 VehDyn, ForseCenterOffset, HwDeg, M. 132 VehDyn, ForseCenterOffset, HwDeg, M. 132 VehDyn, HSDeg, Learn, C. M. M. Jgc VehDyn, MinOffset, HwDeg, M. 132 VehDyn, HSDeg, M. str. V. Uls, 132 VehDyn, MinOffset, HwDeg, M. 132 VehDyn, MinOffset, HwDeg, M. 132 VehDyn, ShPhwFos, HwDeg, M. 132 VehDyn, ShPhwFos, HwDeg, M. 132 VehDyn, ShPhwFos, Hw		1
Verbyn, AutoCritic Spie, M., str. MerNey I, Mrita Ags. 202 Verbyn, AutoCritic Spie, M., str. MerNey I, Mrita Miller II, Mrita	VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VerbDyn_AutoCriticSpd_M_str_FillPinTin_HwNn_T32	VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
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VehDyn_SLPHwPos_HwBeg_M_f32 -265.609985 VehDyn_SriHwAgVldTimer_mS_M_u32 2942063360 k_HiSpdVDAuthority_UIs_f32 0 k_HwTqMgnThd_HwNm_f32 2.0999999 k_LoSpdVDAuthority_UIs_f32 1 k_SrlHwAgVldTiThd_mS_u32 703 k_SyskinRatio_MtrDegpHwDeg_f32 78.4000015 k_TravelXCDeadband_UIs_f32 36.3400002 k_TravelXCHwAuthority_UIs_f32 0.173425004 target_DtrmnElapsedTime_mS_u32_ElapsedTime 402713344 target_Reget_Reget_Reget_Reget_SystemTime_mS_u32_CurrentTime 2127166208 target_Reget_Reget_Reget_Ap_VehDyn_SystemTime_DetrmnElapsedTime_mS_u32_ElapsedTime 4178051584 target_Reget_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2942063360 target_Reget_Reget_NebDyn_VehDyn_Per1_CowEOT_HwDeg_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32 target_Reget_NebDyn_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Reget_NebDyn_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32		
VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 k_HiSpdVDAuthority_Uls_i32 0 k_HwTqMgnThd_HwNm_f32 2.0999999 k_LoSpdVDAuthority_Uls_i32 1 k_SrlHwAgVldTiThd_mS_u32 703 k_SysKinRatio_MtrDegpHwDeg_f32 78.4000015 k_TravelXCDeadband_Uls_i32 36.3400002 k_TravelXCHwAuthority_Uls_i32 0.173425004 target_DtrmnElapsedTime_mS_u32_ElapsedTime 402713344 target_GetSystemTime_mS_u32_CurrentTime 2127166208 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT 2178051584 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_MotorVeiCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVeiCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32		
k_HiSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32 t_K_SriHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_UIs_f32 carget_Rte_Call_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_RelHwPos_HwDeg_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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 t_SysKinRatio_MtrDegpHwDeg_f32 t_TravelXCDeadband_Uls_f32 t_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTtarget_Rte_Inst_Ap_VehDyn_Per1_CwEOT_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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32		
k_LoSpdVDAuthority_Uls_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_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_NehDyn_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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	- · · · · · · · · · · · · · · · · · · ·	l'
k_SrIHwAgVIdTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 dtarget_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	<_HwTqMgnThd_HwNm_f32	2.0999999
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_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_lnst_Ap_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_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_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	<_LoSpdVDAuthority_Uls_f32	
k_TravelXCDeadband_Uls_f32 36.3400002 k_TravelXCHwAuthority_Uls_f32 0.173425004 target_DtrmnElapsedTime_mS_u32_ElapsedTime 402713344 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 2942063360 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_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per	<_SrlHwAgVldTiThd_mS_u32	703
k_TravelXCHwAuthority_Uls_f32	<_SysKinRatio_MtrDegpHwDeg_f32	78.4000015
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_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	<_TravelXCDeadband_Uls_f32	36.3400002
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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	<_TravelXCHwAuthority_Uls_f32	0.173425004
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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	arget_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime		2127166208
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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime mS u32 ElapsedT	
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_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_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_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_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_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_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_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_veribyii.veribyii.rei1_serisoriessAutrioniy_ois_i32 target_Veribyii.rei1_serisoriessAutrioniy_ois_i32 target_Veribyii.rei1_serisoriessAutrioniy_ois_i32 target_Veribyii.rei1_serisoriessAutrioniy_ois_i32		
target_Rte_inst_Ap_venDyn_venDyn_Per1_SensonessnwPos_nwDeg_is2 target_venDyn_Per1_SensonessnwPos_nwDeg_is2 target_venDyn_Per1_SensonessnwPos_nwDeg_is2 target_venDyn_Per1_SensonessnwPos_nwDeg_is2		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_VehDyn_VehDyn_Per1_TorgueCmdCPE_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_VehDyn_VehDyn_Per1_VehicleSpeedVelid_Cot_leg		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_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 -630.609985	.arget_veribyi1_Peri1_CcwEO1_Hwbeg_i32.value	-030.009903





Input Value	
target_VehDyn_Pert_HwTorque_HwNm_f32.value	
target_VehDyn_Perf_Motor/velCRF_MtrRadpS_r32.value -759.549988 target_VehDyn_Per1_RelHwPos_HwDeg_r32.value 703.02002 target_VehDyn_Per1_SrlHwAg_HwDeg_r32.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_r32.value -265.609985 target_VehDyn_Per1_VehicleSpeed/Kill_Cnt_lgc.value -5.4000001 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 target_VehDyn_Per1_VehicleSpeed_Kph_r32.value 398.119995 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3589476707 3589476707 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_r32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3589476707 3589476707 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3589476707 3589476707 <	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 703.02002 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -265.609985 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -5.4000001 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 target_VehDyn_Per1_VehicleSpeedKph_f32.value 398.119995 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 7	
target_VehDyn_Per1_SriHwAgVId_Cnt_lgc.value 1 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value -265.609985 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -5.4000001 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 398.119995 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.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.Timer1_mS_u32 3589476707 3589476707 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg	
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -265.609985 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -5.4000001 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 398.119995 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFit11SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFit12SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3589476707 3589476707 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -5.4000001 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 398.119995 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 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	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl15V_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Inable_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 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1024 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSv_HwDeg_str.Sv_Uls_f32 703.02002 703.02002 ± 0.000	
Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 3589476707 3589476707 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 <	
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VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 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_Uls_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 <td></td>	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3589476707 3589476707 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 703.02002 703.02002 ± 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_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.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1	Result
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 703.02002 703.02002 ± 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_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.Timer2_mS_u32 3589476707 3589476707 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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1	~
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 703.02002 703.02002 ± 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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.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.Timer2_mS_u32 3589476707 3589476707 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1	~
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.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_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 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initalized_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 3589476707 3589476707 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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_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 3589476707 3589476707 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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476707 3589476707 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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_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.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32703.02002703.02002 ± 0.0009VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc11VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc11	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32703.02002703.02002 ± 0.0009VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc11VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc11	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_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 3589476707 3589476707	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 703.02002 703.02002 703.02002 703.02009	✓
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV UIs f32 703.02002 703.02002 703.02002 703.02009	•
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 Igc 1 1	•
VehDyn_Initialize_Cnt_M_lgc 1 1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc 1	✓
VehDyn_MaxOffset_HwDeg_M_f32 551.990967 551.991028	~
VehDyn_MinOffset_HwDeg_M_f32 -576.91803 -576.91803	•
VehDyn_PinTrgSV_M_str.SV_UIs_f32 17.7902279 ± 0.00009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32 2942063360 2942063360 294206360	
target VehDyn Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004	✓
target VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value 1600 1600 1600 ± 0.1	~

T ·			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	3.2000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	34738 36612
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 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
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	539.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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_AutoCntrl_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	829.530029 6.93999973e-005
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_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
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_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
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_SrlHwAgVIdTimer_mS_M_u32	4077829376
k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32	3.0999999
k LoSpdVDAuthority Uls f32	3.0999999
k_SrlHwAgVIdTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	96.099985
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_Igc	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc

VehDyn_Per1

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Name Input Value

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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_SrlHwAg\	Vld_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	-4.4000001		
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	~

T ✓				✓
Actual Function	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 2.136 (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	9.10000038	
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	-6.4800002
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 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_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 2553156835
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	-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 Igc	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	-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
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000460999989
VehDyn_SLPHwAuth_Uls_M_f32	0.694000006
VehDyn_SLPHwPos_HwDeg_M_f32	-163.009995
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_UIs_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	96.4000015 26.0400009
k_TravelXCDeadoand_Ois_f32 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_	
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
	J ,
	target VehDyn Per1 CwEOT HwDeq 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	





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	uthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	wPos_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	vDeg_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_lgc	target_VehDyn_Per1_VehicleSpee	dValid_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	-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	-1.89999998		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.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	✓
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 ± 0.000009	
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 Igc	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	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	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	2553156835	2553156835	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	
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 Igc	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 Igc	1	1	
VehDyn HiSpdLearnt Cnt M Igc	1	1	
· - ·			
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc		1199.32104	
VehDyn_MaxOffset_HwDeg_M_f32	1199.32104		
VehDyn_MinOffset_HwDeg_M_f32	-568.01001	-568.01001	*
VehDyn_PinTrqSV_M_str.SV_UIs_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	

T ✓				✓
Actual Function	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 2.137 (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	32.099985
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	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
	53759
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrHiSpd_M_str.Timer2Tnresn_mS_uTo VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-913.679993
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uis_f32	0.000685999985
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uis_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_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 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 Igc	1
VehDyn ForceCenterOffset HwDeg M f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	988.166016
VehDyn_MinOffset_HwDeg_M_f32	-610.338013
VehDyn_PinTrqSV_M_str.SV_Uls_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_UIs_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_UIs_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	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Call_Ap_VehDyn_System** line_GetSystem** line_ins_usz_current** line target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M	ftrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	0eg_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_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	-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 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 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_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	1282.85596	1282.85596	~
VehDyn_MinOffset_HwDeg_M_f32	-661.909973	-661.909973	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39843702	-5.39843702 ± 0.000009	~
, _ ,::::: _::::::::::::::::::::::			✓
VehDyn SrlHwAqVldTimer mS M u32	2644937728	2644937728	V
VehDyn_SrlHwAgVldTimer_mS_M_u32 target VehDyn Per1 SensorlessAuthority Uls f32.value	2644937728	2644937728 1 ± 0.004	Ž

Т			✓	
Actual Function	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 2.138 (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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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	211.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000877999992
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
/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_AutoChtrDetSpd_M_str.Filter2Initialized_Cht_lgc	0
7 - 7	66.1999969
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.2000008
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000677999982
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000348000001
/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	66.5
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.5
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
	4290967295
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	-157.490005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.73999966e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	0
/ehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
/ehDyn_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_Uls_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
:_HiSpdVDAuthority_Uls_f32	0.5
(_HwTqMgnThd_HwNm_f32	1
C_LoSpdVDAuthority_Uls_f32	0
c_SrlHwAgVldTiThd_mS_u32	12
x_SysKinRatio_MtrDegpHwDeg_f32	75.4000015
x_TravelXCDeadband_Uls_f32	45.6100006
x_TraveIXCHwAuthority_UIs_f32	0.162400007
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
arget_GetSystemTime_mS_u32_CurrentTime	2659241984

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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_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_Hv	_	
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	.50902	
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	-686.950012	, <u>c</u>	
	1305.13196		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.10000002		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.440002 457.40005		
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	~
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	~
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	~
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_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	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 Igc	1	1	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	~
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc	1	1	
· - ·	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc		0	V
VahDun Initialina Cat M Inc	1	1	
VehDyn_Initialize_Cnt_M_lgc			
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1305.13196	1305.13196	~
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1305.13196 -686.950012	1305.13196 -686.950012	~
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	0 1305.13196 -686.950012 -1.59980774	1305.13196 -686.950012 -1.59980774 ± 0.000009	· ·
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32	0 1305.13196 -686.950012 -1.59980774 5477	1305.13196 -686.950012 -1.59980774 ± 0.000009 5477	~
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	0 1305.13196 -686.950012 -1.59980774	1305.13196 -686.950012 -1.59980774 ± 0.000009	· ·

T			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	•



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.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	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.RelHwPosFilt1SV_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

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Name	Input Value
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1



est Step 2.140 (Repeat Count = 1)	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	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	4.099999
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
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
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_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_HwDog_str.SV_Uls_f32	-6.48000002 7.410000650.005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	7.11999965e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002 0.00001500000
/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 ehDyn ForceCenterOffset HwDeg M f32	-501.130005
enDyn_HiSpdLearnt_Cnt_M_lgc	-501.130005 1
	0
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn_MaxOffset_HwDeg_M_f32	-1063.04602
ehDyn_MaxOllset_nwbeg_M_132 /ehDyn_MinOffset_Hwbeg_M_f32	-1003.04602 -510.078003
enDyn_MinOriset_mwDeg_M_132 /ehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
enDyn_PinTrqSV_M_str.Sv_Dis_i32 /ehDyn_PinTrqSV_M_str.K_UIs_f32	0.000460999989
ehDyn_SLPHwAuth_Uls_M_f32 ehDyn SLPHwPos HwDeg M f32	0.694000006 -163.009995
enDyn_StPHWP0S_HWD6g_M_132 /ehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
endyn_onfiwagyiu iiiiei_iiio_lvi_uoz	0
HiSpdVDAuthority Llls f32	
_HiSpdVDAuthority_UIs_f32	
_HiSpdVDAuthority_Uls_f32 g Th _HwNm_f32 LoSpdVDAuthority Uls f32	6.3 00001 1

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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			
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTim$	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			
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_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_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	-1.89999998			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.4399986			
Name	Actual Value	Expected Value	Re	esult
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0		•
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	0	0 ± 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		•
· - · ·	4	1		•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1			
	1	1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc				•
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 2553156835	1 2553156835		•
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 2553156835 2760420809	1 2553156835 2760420809		
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 2553156835 2760420809 -6.48000002	1 2553156835 2760420809 -6.48000002 ± 0.000009		
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 2553156835 2760420809 -6.48000002 -6.48000002	1 2553156835 2760420809 -6.48000002 ± 0.000009 -6.48000002 ± 0.000009		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.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 2553156835 2760420809 -6.48000002 -6.48000002	1 2553156835 2760420809 -6.48000002 ± 0.000009 -6.48000002 ± 0.000009		
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 2553156835 2760420809 -6.48000002 -6.48000002 1	1 2553156835 2760420809 -6.48000002 ± 0.000009 -6.48000002 ± 0.000009 1		
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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.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	1 2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835	1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 0 0 2553156835		
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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.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.Filter1Sp.u32 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.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	1 2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1 0 0	1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 1 0 0 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1		
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.Filter1Enable_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.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.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_IiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1 2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1 0 0	1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 1 0 0 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1		
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.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.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.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 VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1 0 0 1 1 1 1 1 1	1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 1 0 0 2553156835 2760420809 -6.48000002 ± 0.00009 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1		
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.Rimer2_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.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.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.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 VehDyn_MinOffset_HwDeg_M_f32	1 2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 1 0 0 2553156835 2760420809 -6.48000002 ± 0.00009 1 0 0 0 1 1 1 1 1 1199.32104 -568.01001		
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_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.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.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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 0 2553156835 2760420809 -6.48000002 -6.48000002 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2553156835 2760420809 -6.48000002 ± 0.000009 1 1 1 1 0 0 2553156835 2760420809 -6.48000002 ± 0.000009 1 0 0 0 1 1 1 1 1 1199.32104 -568.01001 -1.60240626 ± 0.000009		

T			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 2.141 (Repeat Count = 1)	Input Value
mnElapsedTime_mS_u32(ElapsedTime)	*
tSystemTime mS u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime 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	66.0999985
hDyn AutoCntrDetSpd M str.VehSpd kph f32	216.100006
hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.099985
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
hDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	18715
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
hDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000861999986
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
hDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	456.200012
hDyn AutoCntrHiSpd M str.VehSpd kph f32	196.199997
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
hDyn AutoCntrHiSpd M str.Timer1 mS u32	109643620
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000315999991
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
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	56.1199989
hDyn AutoCntrLoSpd M str.VehSpd kph f32	52.1199989
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1200008
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.1200027
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
hDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	53946
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	255468
hDyn AutoCntrLoSpd M str.Timer2 mS u32	3382212733
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.5799999e-005
hDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	355.5
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
hDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_ForceCenterEnabled_Cnt_M_lgc	1
hDyn_ForceCenterCffset_HwDeg_M_f32	-1.58000004
hDyn_HiSpdLearnt_Cnt_M_lgc	0
hDyn_Initialize_Cnt_M_lgc	0
hDyn_LoSpdLearnt_Cnt_M_lgc	0
hDyn_MaxOffset_HwDeg_M_f32	-928.262024
hDyn MinOffset HwDeg M f32	-928.202024 -690.546021
·	-690.546021 14
hDyn_PinTrqSV_M_str.SV_UIs_f32	
hDyn_PinTrqSV_M_str.K_Uls_f32	0.000433999987
hDyn_SLPHwAuth_Uls_M_f32	0.81099999
hDyn_SLPHwPos_HwDeg_M_f32	-440.029999
hDyn_SrlHwAgVIdTimer_mS_M_u32	824746752
HiSpdVDAuthority_Uls_f32 HwTqMgnThd_HwNm_f32	1
	5.0999999





Name	Input Value			
k_SrlHwAgVldTiThd_mS_u32	70			
k_SysKinRatio_MtrDegpHwDeg_f32	54.4000015			
k_TravelXCDeadband_Uls_f32	53.8499985			
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	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			
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			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	arget_VehDyn_Per1_SensorlessHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	arget_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	8.39999962			
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 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	ixesuit	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	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 + 0 0009	✓	
	355.5 355.5	355.5 ± 0.0009 355.5 ± 0.0009	V	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc			~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	355.5 1	355.5 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	355.5 1	355.5 ± 0.0009 1	y	
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	355.5 1 1	355.5 ± 0.0009 1 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	355.5 1 1 1 0	355.5 ± 0.0009 1 1 1 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.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.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.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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	355.5 1 1 1 1 0 1050692864 3382212733 355.5 0 0 0 1 1 1050692864 3382212733 355.5 0 0 1 1 1 1 1 1 1 0 1	355.5 ± 0.0009 1 1 1 1 0 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 1 1 1 1 0 1		
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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.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_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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	355.5 1 1 1 1 0 1050692864 3382212733 355.5 355.5 0 0 1 1050692864 3382212733 355.5 0 0 1 1 1050692864 3382212733 355.5 0 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1	355.5 ± 0.0009 1 1 1 1 0 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 1 1 1 1 0 1 1 0 1 349.68396		
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.Filter2Initialized_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.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_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	355.5 1 1 1 1 0 1050692864 3382212733 355.5 355.5 0 0 1 1050692864 3382212733 355.5 0 0 1 1 1050692864 3382212733 355.5 0 1 1 1 1 1 1 0 1 1 1 1 0 1349.68396 -737.030029	355.5 ± 0.0009 1 1 1 1 0 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 1 1 1 1 0 1 1 1 1 0 1 349.68396 -737.030029		
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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32	355.5 1 1 1 0 1050692864 3382212733 355.5 355.5 0 0 1 1050692864 3382212733 355.5 0 1 1 1 1 1 1 0 1 1 1 1 1	355.5 ± 0.0009 1 1 1 1 0 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 1 1 1 0 1 1 1 1 0 1 349.68396 -737.030029 13.9976301 ± 0.00009		
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.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.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_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrAllised_Cnt_lgc VehDyn_AutoCntrAllised_Cnt_lgc	355.5 1 1 1 1 0 1050692864 3382212733 355.5 355.5 0 0 1 1050692864 3382212733 355.5 355.5 0 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	355.5 ± 0.0009 1 1 1 1 0 1050692864 3382212733 355.5 ± 0.0009 355.5 ± 0.0009 0 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1349.68396 -737.030029 13.9976301 ± 0.00009 824746752		
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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32	355.5 1 1 1 0 1050692864 3382212733 355.5 355.5 0 0 1 1050692864 3382212733 355.5 0 1 1 1 1 1 1 0 1 1 1 1 1	355.5 ± 0.0009 1 1 1 1 0 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1050692864 3382212733 355.5 ± 0.0009 0 0 1 1 1050692864 3382212733 355.5 ± 0.0009 0 1 1 1 1 1 1 1 0 1 1 1 1 0 1 349.68396 -737.030029 13.9976301 ± 0.00009		



Т				✓
Actual Function	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 2.142 (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	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
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
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	8.39999962
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
hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32	0.000913999975
ehDyn_AutoCnttLoSpd_M_str.Filter1Enable_Cnt_lgc	0.0009139999975
enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc	1
, =	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	
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

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Nama	Input Value		
Name 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_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046000001		
VehDyn SLPHwAuth Uls M f32	0.713		
VehDyn_SLPHwPos_HwDeg_M_f32	-173.270004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832		
k HiSpdVDAuthority Uls f32	0.34000004		
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_TravelXCHwAuthority_Uls_f32	0.184450001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	1117112832		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	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_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	roo.	
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 -574.27002	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 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		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-173.270004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.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	4	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc		1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	*
	0 309385728		~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32		0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	309385728	0 309385728	~
	309385728 2553156835	0 309385728 2553156835	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	309385728 2553156835 -10.3400002	0 309385728 2553156835 -10.3400002 ± 0.00009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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	309385728 2553156835 -10.3400002 -10.3400002	0 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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	309385728 2553156835 -10.3400002 -10.3400002	0 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 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	309385728 2553156835 -10.3400002 -10.3400002 0	0 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 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	309385728 2553156835 -10.3400002 -10.3400002 0	0 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 0 0 1 309385728	· · · · · · · · · · · · · · · · · · ·
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	309385728 2553156835 -10.3400002 -10.3400002 0 0	0 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 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_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	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002	0 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009	
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	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 -10.3400002	0 309385728 2553156835 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009	
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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 -10.3400002 0	0 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 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.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	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 -10.3400002 0 1	0 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 0 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.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	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 -10.3400002 0 1	0 309385728 2553156835 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 0 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.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 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 -10.3400002 0 1 1	0 309385728 2553156835 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 0 1 1 1 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.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 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	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 -10.3400002 0 1 1	0 309385728 2553156835 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 1 1 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.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	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 -10.3400002 0 1 1	0 309385728 2553156835 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 1 1 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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	309385728 2553156835 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 0 1 1 1 1 0 1	0 309385728 2553156835 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 1 1 1 0 1 0 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.Fitter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_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.Fitter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fitter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fitter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	309385728 2553156835 -10.3400002 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 -10.3400002 0 1 1 1 0 1	0 309385728 2553156835 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 0 1 1 1 0 1 0 1058.05396	
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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	309385728 2553156835 -10.3400002 0 0 1 309385728 2553156835 -10.3400002 0 1 1 1 1 0 1	0 309385728 2553156835 -10.3400002 ± 0.00009 0 0 1 309385728 2553156835 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 -10.3400002 ± 0.00009 1 1 1 0 1 0 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \





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	✓

Т				✓
Actual Function	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	~

lama	Innut Value
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	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 Igc	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
/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_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 Igc	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_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	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_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	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 -6.48000002 ± 0.000009 1 0 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	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	

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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	✓

Т				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
Rte_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	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_AutoChtrDetSpd_M_str.Timer1_m3_u32	2967684784
ehDyn_AutoOntrDetSpd_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_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_dis_is2	0.000918000005
ehbyn_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_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
/ehDyn_AutoChtrHiSpd_M_str.VehSpd_kph_f32	216
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.80000019
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.099985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	57944
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
/ehDyn_AutoCntrHiSpd_M_str.Timer1_HS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
	0.000717999996
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /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_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	124.099998
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn AutoCntrLoSpd M str.VehSpd kph f32	246.100006
	16.4099998
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	52.0999985
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 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	-444.170013
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	7.139998e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 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.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	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_Uls_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	✓

Τ				✓
Actual Function	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 ElapsedTim
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	290.100006
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	32.099985
ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	18.1000004
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	96.099985
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	1146.91003
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Dis_i32	0.000566000002
ehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.R_dis_i32	1146.91003
ehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Ois_is2	0.00092000002
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0.00092000002
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1midalized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.400002
	42.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
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	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_lgc	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

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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		
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_Uls_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_UIs_f32	1		
k SrlHwAgVldTiThd mS u32	32		
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031		
k TravelXCDeadband Uls f32	23.9799995		
k_TravelXCHwAuthority_UIs_f32	0.188124999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
target_GetSystemTime_mS_u32_CurrentTime	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	Ti 3494315776		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_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_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_lgc	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	-555.48999		
target VehDyn Per1 CwEOT HwDeg f32.value	1188.18298		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.4000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759		
target VehDyn Per1 RelHwPos HwDeg f32.value	1146.91003		
target VehDyn Per1 SrlHwAgVld Cnt Igc.value	1		
target_VehDyn_Per1_SrihwAg_Vid_Cht_igc.value	-142.490005		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_vehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.024994		
Name		Expected Value	Page
	Actual Value	Expected Value	Res
VehDyn_AltoCatrDetSad_M_etr_Times1_mS_u22	1 2590476707	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	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_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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	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_lgc	1	1	✓
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	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	~
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	1146.91003	1146.91003 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	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_Uls_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	✓

Т				✓
Actual Function	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		
, = , = = = = = = = = = = = = = = = = =	-1459.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
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_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
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	1078.02197		
	-490.026001		
VehDyn_MinOffset_HwDeg_M_f32			
VehDyn_PinTrqSV_M_str.SV_UIs_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_SrlHwAgVldTimer_mS_M_u32	295229312		
k_HiSpdVDAuthority_UIs_f32	0.75999999		
k_HwTqMgnThd_HwNm_f32	9.19999981		
k_LoSpdVDAuthority_Uls_f32	1		
k SrlHwAgVldTiThd mS u32	4891		
k_SysKinRatio_MtrDegpHwDeg_f32	52.5		
	22.9500008		
k_TraveIXCDeadband_UIs_f32			
k_TravelXCHwAuthority_UIs_f32	0.189349994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392		
target_GetSystemTime_mS_u32_CurrentTime	1117112832		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elapse$	463842816		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTim$	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	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		
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	-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	159.990005		
target VehDyn Per1 RelHwPos HwDeg f32.value	-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	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	-
			~
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	-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	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~
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	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	~





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	~

Т				✓
Actual Function	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_ForceCenterCnffset_HwDeg_M_f32 -101.489998 VehDyn_IniSIdlzer_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_Uls_f32 -7 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00046499999 VehDyn_SLPHwAuth_Uls_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_UIs_f32 459.209991 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_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	~

Τ				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 2.148 (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	31.3600006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	125.300003
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	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000926000008
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	0
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000926000008
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	94.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.399994
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	41.0999985
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000725999998
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1001.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000444000005
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	94.4000015
VehDyn 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 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	-1.58000004		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	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_Uls_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 target DtrmnElapsedTime mS u32 ElapsedTime	0.191799998 3494315776		
target_Diffinitiapsed filine_ms_usz_trapsed filine target_GetSystemTime_ms_usz_CurrentTime	3437401088		
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		
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_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	32	
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_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-111.709999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 308 145500		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.145599	Expected Volume	D
Name Volt Dura Allaud li Cad Auto Cata Cata M. Inc.	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733 3589476707	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3589476707 1001.01001	1001.01001 ± 0.009	
	1001.01001	0 ± 0.000009	
	0	1 U ± U.UUUUU	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	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	0 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	0 0 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	0 0 0 1	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	0 0 0	0 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	0 0 0 1 3437401088	0 0 0 1 3437401088	





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	~

Τ			✓	
Actual Function	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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VehDyn_Per1



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_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682		
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 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 Igc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1092.99805		
VehDyn_MinOffset_HwDeg_M_f32	-469.973999		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000467000005		
VehDyn_SLPHwAuth_Uls_M_f32	0.579999983		
VehDyn_SLPHwPos_HwDeg_M_f32	-101.449997		
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	45		
k_SysKinRatio_MtrDegpHwDeg_f32	86.099985		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	19.8600006 0.193024993		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816		
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	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_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeedValid_Ci		
target_Rte_Inst_Ap_venDyn.venDyn_Per1_venicleSpeed_Kpn_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -530.450012		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1165.90698		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-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	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	-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	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✓

3796740682

3796740682





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_Uls_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	~

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Actual Function	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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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_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	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	4.6999981		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.6999969		
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	1 198.240005		
VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc	198.240005		
VehDyn Initialize Cnt M lgc	1		
VehDyn_Initialize_Crit_M_igc VehDyn_LoSpdLearnt_Crit_M_igc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1097		
VehDyn_MinOffset_HwDeg_M_f32	-463		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.2000005		
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_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992		
k_TravelXCDeadband_Uls_f32	18.8299999		
k_TravelXCHwAuthority_Uls_f32	0.194250003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	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 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_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_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	-524		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1160		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.89999962		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1089		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1 -91 1900024		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-91.1900024 -7.3000019		
target_VehDyn_Per1_ronquectindckr_withhin_isz.value	-7.30000019 1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	I Coul
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	•

-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_UIs_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	~

T				✓
Actual Function	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
/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	-1503.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000931999995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
/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	456.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7000008
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5
/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	-1503.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000731999986

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VehDyn_Per1



· -			
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_AutoCotrl ISad_M_str.Filter1Initialized_Cnt_Igc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.700012		
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_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_Igc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeq M f32	298.149994		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn LoSpdLearnt Cnt M Iqc	0		
VehDyn MaxOffset HwDeg M f32	1102.98206		
VehDyn MinOffset HwDeg M f32	-456.605988		
VehDyn_PinTrqSV_M_str.SV_UIs_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		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	1759885568		
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_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_lgc	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	-517.929993		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1154.76904		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.19999981 835 860005		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.869995 -1503.19995		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-80.9300003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-80.9300003 1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1.29999995		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.440002		
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	-1503.19995	-1503.19995 ± 0.009	•
Valadia Anta Onto Daton di Manta Dallitu Da Elito OVA I lunda anta OVA I lia 600	1502 10005	1502 10005 + 0 000	

-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_Uls_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	✓

T				
Actual Function	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	_

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
	1.10000002
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_vonioloopeeu_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_UIs_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	✓

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Actual Function	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_UIs_f32 -692.390015	
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 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_AutoCntrl oSpd_M_str.Cntrl\(\) \(\	
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 -692.390015	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 7.31999971e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -692.390015	
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 Igc 0	
VehDyn_ForceCenterEnabled_Cnt_M_lgc 1	
VehDyn_ForceCenterOffset_HwDeg_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 1112.96594	
VehDyn_MinOffset_HwDeg_M_f32 -443.238007 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -5.4000001	
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	
k_SrlHwAgVldTiThd_mS_u32 744	
k_SysKinRatio_MtrDegpHwDeg_f32	
k TravelXCHwAuthority Uls 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 3039943680	
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_f132 target_VehDyn_	
target_Rte_Inst_Ap_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeq f32 target_VehDyn_Per1_RelHwPos_HwDeq	
target_Rte_inist_Ap_VeriDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority	-
target_Rte_inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_t	
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_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -505.410004	<u>f</u> 32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -505.410004 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1143.63098	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	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	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	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	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	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_SrlHwAg_Vld_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -60.4099998	f32





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_UIs_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	•

T				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 2.154 (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	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	
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	412.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.900002
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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	7.33999987e-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
VehDyn_ForceCenterOffset_HwDeg_M_f32	597.880005
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	3.099999
k_LoSpdVDAuthority_UIs_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	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
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
	-499.149994
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.06201
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.4000001
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	-4.4000001 -456.359985
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	-4.4000001 -456.359985 -1385.40002
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	-4.4000001 -456.359985 -1385.40002
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	-4.4000001 -456.359985 -1385.40002





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	✓

Τ				✓
Actual Function	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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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	18.1700001
	42.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	
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
	0.000472000014
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	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	0.00093999998
	1
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	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	
VehDyn_MaxOffset_HwDeg_M_f32	1122.94995
VehDyn_MinOffset_HwDeg_M_f32	-429.869995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472999993
VehDyn SLPHwAuth Uls M f32	0.465999991
VehDyn SLPHwPos HwDeg M f32	-39.8899994
VehDyn SrlHwAgVldTimer mS M u32	562716928
k HiSpdVDAuthority UIs f32	0
_ ' '= -	i e
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031
k_TravelXCDeadband_Uls_f32	13.6800003
k TravelXCHwAuthority Uls f32	0.200375006
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	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 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_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	-492.890015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1132.49304
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	118.300003
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1036.69995





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 Igc	1	1	✓
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	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 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 Igc	1	1	✓
VehDyn Initialize Cnt M Igc	1	1	~
VehDyn LoSpdLearnt Cnt M Igc	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_UIs_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	•

T ·				
Actual Function	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	1
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_HwDog_str.K_Uls_f32	0.000742000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995 0.000475999987
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	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrlispd_M_str.MtrVel_MtrRadpS_f32	56.099985
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	86.099985
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	1
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_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1127.94202
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-423.186005 -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_UIs_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
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u30_Elapsed$	954802432
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_$	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_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





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	Result
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 Igc	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	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 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_MaxOffset_HwDeg_M_f32	1126.92395	1126.92395	~
VehDyn_MinOffset_HwDeg_M_f32	-486.630005	-486.630005	✓
VehDyn_PinTrqSV_M_str.SV_Uls_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	✓
	510.249939	510.25 ± 0.1	✓

T.			~	
Actual Function	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 2.157 (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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	13059 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
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
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	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	7.40000032e-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	
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 VehDyn_ForceCenterOffset HwDeq M f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_Initialize_ont_in_ige 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	-19.3700008
VehDyn_SrlHwAgVldTimer_mS_M_u32	1529874944
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.099999
k_LoSpdVDAuthority_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	11.6199999
k_TravelXCHwAuthority_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_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_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	



Name	Input Value		
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_VehicleSpeedValid_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	-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	Ī	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	✓

Τ				✓
Actual Function	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	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	7, 400000
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	88.8000031 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_lgc	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 0.000945999986
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999990
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 Igc	1
VehDyn ForceCenterEnabled Cnt M Igc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn HiSpdLearnt Cnt M Igc	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_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992
k_TravelXCDeadband_Uls_f32	10.5900002
k_TravelXCHwAuthority_UIs_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_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
target_Rte_Inst_Ap_VehDyn.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_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_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_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_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_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVl	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_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	-474.109985		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	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	Result
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 Igc	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_UIs_f32	616.409973	616.409973 ± 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_lgc	0	0	~
VehDyn MaxOffset HwDeg M f32	499.376038	499.376007	_
VehDyn MinOffset HwDeg M f32	-409.817993	-409.817993	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99383116	-6.99383116 ± 0.000009	_
VehDyn_SrlHwAgVIdTimer_mS_M_u32	889019776	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	_

T .				✓
Actual Function	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_MotorVel	ICRF_MtrRadpS_f32	
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_Sensorle	ssAuthority Uls f32	
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_TorqueC		
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_VehicleS		
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	4.9000001		
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 lgc	1	1	- Ttoodii
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 Igc	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	
	1	1	
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		274107514	
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	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 -833.309998 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998		
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_lgc	1	1	
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	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_UIs_f32	6.30041265	6.30041265 ± 0.000009	_
VehDyn_SrlHwAgVldTimer_mS_M_u32	751082240	751082240	_
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	_
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	

Τ				✓
Actual Function	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 VehDvn Per1 CP1 ChecknointReached	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.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_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	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	-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	Y
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	1104.64795	1104.64795	~
VehDyn_MinOffset_HwDeg_M_f32	-461.589996	-461.589996	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1961098	15.1961098 ± 0.00009	V
VehDyn_SrlHwAgVldTimer_mS_M_u32	108313216	108313216	-
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	-

T ✓				
Actual Function	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



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
/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
	-136.300003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0.000951999973
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
/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	34.2999992
/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
/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	0.00495999993
	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
/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 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
	1297.25
/ehDyn_ForceCenterOffset_HwDeg_M_f32	
/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_Uls_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
x_HiSpdVDAuthority_Uls_f32	1
C HwTgMgnThd HwNm f32	0.119999997
:_LoSpdVDAuthority_Uls_f32	1
C_LOSpuvDAutionty_Ois_132	951
	86.300031
<_SysKinRatio_MtrDegpHwDeg_f32	
c_TravelXCDeadband_Uls_f32	7.5
C_TraveIXCHwAuthority_Uls_f32	0.207725003
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752





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	

T ✓			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 2.162 (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	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.Filter1Initialized_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_Uls_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	





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_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_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_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_CcwEOT_HwDeg_f32.value	Input Value 6.46999979 0.208949998 3304439296 824746752 1117112832 1050692864 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadptarget_VehDyn_Per1_SensorlessAuthority_Utarget_VehDyn_Per1_SensorlessAuthority_Utarget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_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_MtrNitarget_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn	oS_f32 2 Is_f32 Deg_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_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_McDey_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_McDey_F132 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_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_CcwEOT_HwDeg_f32.value	0.208949998 3304439296 824746752 1117112832 1050692864 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadparter_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Utarget_VehDyn_Per1_SensorlessAuthority_Utarget_VehDyn_Per1_SrlHwAgVid_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cnt_	oS_f32 2 Is_f32 Deg_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_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_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_VehicleSpeed_Valid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	3304439296 824746752 1117112832 1050692864 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadptarget_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn	oS_f32 2 Is_f32 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_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_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_CcwEOT_HwDeg_f32.value	824746752 1117112832 1050692864 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadptarget_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn	oS_f32 2 Is_f32 Deg_f32	
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_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_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_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	1117112832 1050692864 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadptarget_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cnt_	oS_f32 2 Is_f32 Deg_f32	
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_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_CcwEOT_HwDeg_f32.value	1050692864 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadptarget_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cnt_	oS_f32 2 Is_f32 Deg_f32	
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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_ReiHwPos_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_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_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadptarget_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn	oS_f32 2 Is_f32 Deg_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_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_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn	2 Is_f32 Deg_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_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn	ls_f32 Deg_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_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_Igc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn	Deg_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_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNi target_VehDyn_Per1_VehicleSpeedValid_Cn		
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_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn		
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_TorqueCmdCRF_MtrNitarget_VehDyn_Per1_VehicleSpeedValid_Cn		
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	$target_VehDyn_Per1_VehicleSpeedValid_Cn$		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value		m_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value		t_lgc	
0 = 7 = = = 0=	target_VehDyn_Per1_VehicleSpeed_Kph_f32	2	
torget Veh Dury Dord CurEOT HurDon (22 vehice	-449.070007		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1093.51001		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.35999966		
	-456		
0	-444.839996		
3 3 2 3 7 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3	1		
0 = 7 = = 0= 0=	31.9300003		
0 - 7 1	-4.5999999		
0 = 7 = = 1 = =0	0		
	230		
	Actual Value	Expected Value	Result
7 - 1 - 2 - 20	1	1	~
, , , , , , , , , , , , , , , , , , , ,	1024	1024	~
, = - = -	54822322	54822322	✓
, = , = = = = = = = = = = = = = = = = =	-444.839996	-444.839996 ± 0.0009	· ·
, _ ,	-444.839996 0	-444.839996 ± 0.0009	~
7	0	0	,
7 2 1111 1 11111 231	0	0	_
, =	1	1	
, , , , , , , , , , , , , , , , , , , ,	824746752	824746752	· ·
, =	54822322	54822322	
, =	-444.839996	-444.839996 ± 0.0009	-
, = 1 = = = = = = = = = = = = = = = = =	-444.839996	-444.839996 ± 0.0009	-
	0	0	•
, =	1	1	_
,	1	1	-
	0	0	-
	1024	1024	✓
	54822322	54822322	-
	-444.839996	-444.839996 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	-
	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	~

Т				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	Input Value		
k_SysKinRatio_MtrDegpHwDeg_f32	56.0999985		
k_TravelXCDeadband_Uls_f32	5.44000006		
k_TravelXCHwAuthority_Uls_f32	0.210174993		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	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	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	.209_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	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 -442.809998		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1087.94104 8.92000008		
target_VehDyn_Per1_HwTorque_HwNm_f32.value			
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_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_lgc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	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	-480.880005	-480.880005 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 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	
	1	1	
VehDvn Initialize Cnt M Inc		[·	
VehDyn_Initialize_Cnt_M_lgc		1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1087.94104	1087.94104	•
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 1087.94104 -442.809998	1087.94104 -442.809998	•
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	1 1087.94104 -442.809998 8.90007687	1087.94104 -442.809998 8.90007687 ± 0.000009	•
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 1087.94104 -442.809998 8.90007687 3039943680	1087.94104 -442.809998 8.90007687 ± 0.000009 3039943680	•
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	1 1087.94104 -442.809998 8.90007687	1087.94104 -442.809998 8.90007687 ± 0.000009	



Τ				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 2.164 (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	-1.7999995		
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	✓

Τ				✓
Actual Function	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_f32		
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 VohDun Alleud li Sed Auto Cete Cet M. Jee	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	~

Τ				✓
Actual Function	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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VehDyn_Per1



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	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 PinTrgSV 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_UIs_f32	0		
	9.19999981		
k_HwTqMgnThd_HwNm_f32			
k_LoSpdVDAuthority_UIs_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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTim$	463842816		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	54689		
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_MtrNm_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	-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		
Name	Actual Value	Expected Value	Result
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	~
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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
			-
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	4004004656	4004004656	
VehDyn_AutoCntrl_Spd_M_str.Timer2_mS_u32	4211268631	4211268631	V
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	V
VehDyn AutoCntrl oSpd M str Filter1Enable Cnt Igc	1	11	

1 0

VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc





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_UIs_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	~

T				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



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		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003		
VehDyn HiSpdLearnt Cnt M Igc	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		
, - ,	0.000483000011		
VehDyn_PinTrqSV_M_str.K_Uls_f32			
VehDyn_SLPHwAuth_Uls_M_f32	0.238000005		
VehDyn_SLPHwPos_HwDeg_M_f32	83.2300034		
VehDyn_SrlHwAgVldTimer_mS_M_u32	270987008		
k_HiSpdVDAuthority_UIs_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_ElapsedTi	1759885568		
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_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_t		
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		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I		
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_MtrNm_f32		
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_	132	
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_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	83.2300034		
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	rtoduit
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	-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	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
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	-1014.73999	-1014.73999 ± 0.009	✓
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	•
		1	
VEHIDVII AUTOCITITIISDO IVI ST. HITERZINITIAIIZEO CINT IOC	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc		2728878080	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2728878080 2160073393	2160073393	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2728878080 2160073393 -1014.73999	2160073393 -1014.73999 ± 0.009	~
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	2728878080 2160073393 -1014.73999 -1014.73999	2160073393 -1014.73999 ± 0.009 -1014.73999 ± 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	2728878080 2160073393 -1014.73999	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_Uls_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	~

Т				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	~

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	0
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	200.300003
ehDyn_AutoChtrDetSpd_M_str.VehSpd_kph_f32	52.2999992
ehbyn_AutoChtrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
, =	58869
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	1024
/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	-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
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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VehDyn_Per1



· =					
Name	Input Value				
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				
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	-1200.5				
VehDyn_HiSpdLearnt_Cnt_M_lgc	1				
VehDyn_Initialize_Cnt_M_lgc	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 VehDyn_PinTrqSV_M_str.K_Uls_f32	1.5 0.000483999989				
VehDyn_SLPHwAuth_Uls_M_f32	0.218999997				
VehDyn SLPHwPos HwDeg M f32	93.4899979				
VehDyn_SrlHwAgVldTimer_mS_M_u32	333				
k_HiSpdVDAuthority_UIs_f32	0				
k HwTqMgnThd HwNm f32	1.10000002				
k_LoSpdVDAuthority_UIs_f32	1				
k SrlHwAgVldTiThd mS u32	16445				
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_Elapse	dTi 1662097408				
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_	me 333				
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	g_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hwl	Nm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_I	MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hw	Deg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth	target_VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwF	Pos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Ci	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDe	eg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCR	F_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	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	-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	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	Actual Value	Expected Value	Result		
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_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	1			
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1024	1024			
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322			
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDen_str.SV_Llls_f32	-284.299988	-284.299988 ± 0.0009			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009 -284.299988 ± 0.0009			
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFlitzSV_HwDeg_str.Sv_Uis_f3z VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-284.299988	-284.299988 ± 0.0009			
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.Filter1Imitialized_Cnt_lgc 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			

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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	~

Τ				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_nis_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		
, =	1259.78003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
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	-1100.58997		
VehDyn HiSpdLearnt Cnt M Igc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn MaxOffset HwDeg M f32	-1192.83801		
, – – – –	-389.910004		
VehDyn_MinOffset_HwDeg_M_f32			
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		
VehDyn_SLPHwPos_HwDeg_M_f32	103.75		
VehDyn_SrlHwAgVldTimer_mS_M_u32	12		
k_HiSpdVDAuthority_UIs_f32	1		
k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_Uls_f32	0		
k SrlHwAgVldTiThd mS u32	32		
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031		
k TravelXCDeadband Uls f32	4.46000004		
k_TravelXCHwAuthority_UIs_f32	0.217525005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elapsed$	2127166208		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTim$	12		
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	/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_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	-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_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	•
, - ,	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.PelHwPosEitt1SV/HwDog_str.SV/Llls_f32			-
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_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	
	0	0	-
VehDyn_AutoCntrHiSpd_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	309385728	309385728	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
			_

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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	✓

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M	Insurat Walter		
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 Igc	0		
	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc			
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	1		
VehDyn_MaxOffset_HwDeg_M_f32	1197.82996		
VehDyn_MinOffset_HwDeg_M_f32	-396.630005		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002		
VehDyn_PinTrqSV_M_str.K_Uls_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		
	6.5		
k_HwTqMgnThd_HwNm_f32	1		
k_LoSpdVDAuthority_UIs_f32			
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 ElapsedT	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_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_Igc		Deg_132	
	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_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	-398.98999		
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		
	387		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387	Francis d Value	Danie
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	1	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 1 109643620	1 109643620	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	1	~
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 1 109643620	1 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	Actual Value 1 109643620 4290967295	1 109643620 4290967295	•
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	Actual Value 1 109643620 4290967295 1226.09998	1 109643620 4290967295 1226.09998 ± 0.009	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	Actual Value 1 109643620 4290967295 1226.09998 1226.09998	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 0.009	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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 109643620 4290967295 1226.09998 1226.09998 0	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	Actual Value 1 109643620 4290967295 1226.09998 1226.09998 0 0	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 0.009 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	Actual Value 1 109643620 4290967295 1226.09998 1226.09998 0 0 1	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 0.009 0 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 1 109643620 4290967295 1226.09998 1226.09998 0 0 1 4164171008	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 0.009 0 0 1 1 4164171008	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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	Actual Value 1 109643620 4290967295 1226.09998 1226.09998 0 0 1 4164171008 4290967295	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 0.009 0 0 1 4164171008 4290967295	
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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	Actual Value 1 109643620 4290967295 1226.09998 1226.09998 0 0 1 4164171008 4290967295 1226.09998	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 0.009 0 0 1 4164171008 4290967295 1226.09998 ± 0.009	
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 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	Actual Value 1 109643620 4290967295 1226.09998 1226.09998 0 0 1 4164171008 4290967295 1226.09998 1226.09998	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 0.009 0 0 1 4164171008 4290967295 1226.09998 ± 0.009 1226.09998 ± 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.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	Actual Value 1 109643620 4290967295 1226.09998 1226.09998 0 0 1 4164171008 4290967295 1226.09998	1 109643620 4290967295 1226.09998 ± 0.009 1226.09998 ± 0.009 0 0 1 4164171008 4290967295 1226.09998 ± 0.009	Result





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	~

Τ				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 2.171 (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	e 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_UIs_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	~

T				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 2.172 (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	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.1000004
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	1187.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000969999994
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000969999994
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	75.8000031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.599985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000769999984
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000531999976
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0

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VehDyn_Per1



Name VehDvn AutoCntrHiSod M str Filter1Initialized Cnt Ido	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_AutoCottleScd_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_TravelXCHwAuthority_Uls_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_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapse			
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_VehDyn_Per1_MotorVelCRF_Mtr	_	
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	s_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_	<u>lgc</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_		
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_Kp	h_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-386.470001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1037.81995 -1.88		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	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	~

T				✓
Actual Function	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)	1 444
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	497.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.5
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	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	1297.32996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000972000009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000972000009
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	98.6999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
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	1297.32996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996
VehDyn_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	98.099985		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	3.0999999 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_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_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 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	0.000488999998		
VehDyn_SLPHwAuth_Uls_M_f32	0.123999998		
VehDyn_SLPHwPos_HwDeg_M_f32	144.789993		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1001845248		
k_HiSpdVDAuthority_UIs_f32	2.0999999		
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_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 ElapsedTime	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	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_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3 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_SellsollessnwPos_nitarget_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	-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_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	144.789993		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.053986		
Name	Actual Value	Expected Value	Bassi
Name VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	Expected Value	Resu
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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1297.32996	1297.32996 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	

VehDyn_Per1



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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_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	✓

T				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	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000775999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_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_Uls_f32	586.059998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000975999981
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	1
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	0
VehDyn ForceCenterOffset HwDeg M f32	-501.130005
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn Initialize Cnt M Igc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	1222.79004
VehDyn_MinOffset_HwDeg_M_f32	-430.230011
VehDyn_PinTrqSV_M_str.SV_UIs_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 UIs f32	0
k HwTqMgnThd HwNm f32	4.0999999
k LoSpdVDAuthority Uls f32	1
k_SrlHwAgVIdTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	86.4499969
k TravelXCDeadband Uls f32	13.8800001
k_TraveIXCHwAuthority_Uls_f32	0.224875003
	2269150976
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
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	309385728 target VehDyn Per1 CcwEOT HwDeg f32
V =	
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	-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
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	165.309998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.4520035

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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_UIs_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_Uls_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	✓

T				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	1 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.399994
VehDyn AutoCntrLoSpd M str.FiltPinTrq 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 VehDyn_MinOffset_HwDeg_M_f32	-1227.78198 -436.950012
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-450.950012 8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000492000021
VehDyn_SLPHwAuth_Uls_M_f32	0.067000017
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_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	-361.429993 1015.64401
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	1015.54401 -2.31999993
	-2.31999993 -759.549988
	, , 55.5 , 5550
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-339 980011
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-339.980011 0
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	-339.980011 0 175.570007
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0





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	~

T				✓
Actual Function	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.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_HwDog_str.K_Uls_f32	0.000780000002 1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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 Igc	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
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
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_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	-301.309998 1
VehDyn_HiSpdLearnt_Cnt_M_lgc 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	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_TravelXCDeadband_Uls_f32	17.0200005
k_TravelXCHwAuthority_Uls_f32	0.227325007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
target_GetSystemTime_mS_u32_CurrentTime	3941357312
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	
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_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SriHwAg_HwDeg_f32
target_Rte_Inst_Ap_venDyn.VenDyn_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	-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
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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 Igc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	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	•

T				✓
Actual Function	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	32.599985
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
	385.579987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	
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	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
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	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
	1
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_UIs_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_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	52.5400009
k_TravelXCDeadband_Uls_f32	45.2799988
k_TravelXCHwAuthority_Uls_f32	0.249375001
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 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_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_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	-461.790009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	943.146973
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.40999985





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	~

T				✓
Actual Function	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
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
	l'
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	8.10000038
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_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	-469.51001





Name	Input Value		
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 lgc	1	1	- 105uii
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	-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 Igc	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	3382212733	
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_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 Igc	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_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	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	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_SrlHwAgVIdTimer_mS_M_u32	997399808	997399808	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	380.769989	380.769989 ± 0.1	_
5 _			

T			✓	
Actual Function	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)	
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
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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
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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
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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_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	-438.630005	-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 ± 0.000009	✓
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 Igc	1	1	~
VehDyn LoSpdLearnt Cnt M Igc	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	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	~

T			✓	
Actual Function	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 2.181 (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_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDe	eg_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_VehicleSpeedV	/alid_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	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 Igc.value	0		
target VehDyn Per1 VehicleSpeed Kph f32.value	230.039993		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	- 100011
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	Ž
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 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	-273.019969 ± 0.0009	
7 - 7	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc		1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	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	Ž
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	V
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_UIs_f32	7.79478073	7.79478073 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	~
target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value	1	1 ± 0.004	

Τ			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	~

-573.169983

-573.169983 ± 0.1

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

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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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
	0.000942000013
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_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
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.099985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.099998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
	86.099985
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
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	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_UIs_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	-29.6299992 1036175744
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k_HiSpdVDAuthority_UIs_f32	
k_HwTqMgnThd_HwNm_f32	5.4499981
k_LoSpdVDAuthority_UIs_f32	0
k_SrlHwAgVIdTiThd_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 Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	2728878080
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	3494315776
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_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hw[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_Cr	ıt_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_TorqueCmdCRI	MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedVa	alid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_I	Cph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-486.630005		
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_Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.73999		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	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 Igc	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_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	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	-
VehDyn AutoCntrLoSpd M str.Timer ms_u32	4290967295	4290967295	
	1307.94995	1307.94995 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	
	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc			
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_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	1036175744	1036175744	~

Τ			✓	
Actual Function	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	Rte Call VehDvn Per1 CP1 ChecknointReached	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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to Call An VahDun CustomTime CatCustomTime mC u22/CustomTime	Input Value
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	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	533.099976 88.4000015
enDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.4700003
ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	10.3999996
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	0
ehDyn_AutoCntrDetSpd_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_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
hDyn_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_UIs_f32	-893.640015
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
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	86.1999969
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.199997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008 96.1999969
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	21335
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_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 Igc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	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_Uls_f32	17.7999992
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475000008
ehDyn_SLPHwAuth_Uls_M_f32	0.428000003
hDyn_SLPHwPos_HwDeg_M_f32	-19.3700008
ehDyn_SrlHwAgVldTimer_mS_M_u32	1029379840
HiSpdVDAuthority_Uls_f32	0
HwTqMgnThd_HwNm_f32	6.32000017
_LoSpdVDAuthority_Uls_f32	1
_SrlHwAgVldTiThd_mS_u32	1000
_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
_TravelXCDeadband_Uls_f32	11.6199999
_TravelXCHwAuthority_Uls_f32	0.202824995
rget_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736
rget_GetSystemTime_mS_u32_CurrentTime	3039943680
rget Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapse	17 00 17 10750



Name	Input Value		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentT	ime 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	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hw	Nm_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_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut	hority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHw	Pos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwD	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCR	RF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed\	/alid_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		
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_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	1029379840	1029379840	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1 -1391.60999	1 ± 0.004 -1391.60999 ± 0.1	· ·

Τ				✓
Actual Function	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 2.184 (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
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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_is2 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

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Name	Input Value		
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	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	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	-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_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	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	~
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	1332.97705	1332.97705	V
VehDyn_MinOffset_HwDeg_M_f32	-718.25	-718.25	V
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80058718	7.80058718 ± 0.000009	V
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	V
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Τ				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 2.185 (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	497.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	86.0999985
/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	255468
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.30998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000948000001
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.30998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
/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	98.8000031
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.04
/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	-833.309998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-833.309998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000487999991
	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_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.5
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.5
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.5
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4399999e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000948000001
/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
	1
/ehDyn_ForceCenterEnabled_Cnt_M_lgc	
/ehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	1142.91797
ehDyn_MinOffset_HwDeg_M_f32	-403.134003
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000476999994
/ehDyn_SLPHwAuth_Uls_M_f32	0.389999986
/ehDyn_SLPHwPos_HwDeg_M_f32	1.14999998
/ehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
HiSpdVDAuthority Uls f32	0
: HwTqMgnThd HwNm f32	1.5
_ , ,	1
LUSDUVDAULIUIIV UIS 132	T. Control of the Con
:_LoSpdVDAuthority_Uls_f32 :_SrlHwAgVldTiThd_mS_u32	951





Name	Input Value		
k TravelXCDeadband Uls f32	9.56000042		
k_TravelXCHwAuthority_Uls_f32	0.205274999		
target DtrmnElapsedTime mS u32 ElapsedTime	954802432		
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_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	-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	4.9000001		
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	~
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	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_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_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	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_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	~
VehDyn_SrlHwAgVldTimer_mS_M_u32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value			*



Τ				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	~

Fest Step 2.186 (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	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_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/enDyn_AutoCntrhiSpd_M_str.Hiter2imitalized_Cnt_igc /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.5999985
	126.599998
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	5.599999
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	96,5999985
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_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	1
/ehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0

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Name	Input Value		
VehDyn LoSpdLearnt Cnt M Igc	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_HwTqMgnThd_HwNm_f32	9.19999981		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	4856		
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992		
k_TravelXCDeadband_Uls_f32	8.52999973		
k_TravelXCHwAuthority_UIs_f32	0.206499994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080 954802432		
target_GetSystemTime_mS_u32_CurrentTime 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	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		
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_I	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SensorlessHwPos_Hv target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc	WDeg_f32	
target_rte_inst_Ap_venbyn.venbyn_per1_SriHwAg_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	-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	154 -1124.05005		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	154 -1124.05005 0		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	154 -1124.05005		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	154 -1124.05005 0 11.4099998		
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	154 -1124.05005 0 11.4099998 -4.5		
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_VehicleSpeedValid_Cnt_lgc.value	154 -1124.05005 0 11.4099998 -4.5	Expected Value	Result
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_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	154 -1124.05005 0 11.4099998 -4.5 0	Expected 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_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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812	1 328928812	Result
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_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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835	1 328928812 2553156835	
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_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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005	1 328928812 2553156835 -1124.05005 ± 0.009	-
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_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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 -1124.05005	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009	
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 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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 -1124.05005	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009	
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 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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 -1124.05005	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009	
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_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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 -1124.05005 1	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1	
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 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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 -1124.05005 1 1	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1	
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 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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 -1124.05005 1 1 1	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1	
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 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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 -1124.05005 1 1 1 0 954802432	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 0 954802432	
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 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.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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 -1124.05005 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 -1124.05005	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009	
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 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.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.Filter2Initialized_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.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.Filter1Enable_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 -1124.05005 0	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0	
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 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.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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 -1124.05005 0 0	$\begin{array}{c} 1 \\ 328928812 \\ 2553156835 \\ -1124.05005 \pm 0.009 \\ -1124.05005 \pm 0.009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 954802432 \\ 2553156835 \\ -1124.05005 \pm 0.009 \\ -1124.05005 \pm 0.009 \\ 0 \\ 0 \\ \end{array}$	
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_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.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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 -1124.05005 0 0	$\begin{array}{c} 1 \\ 328928812 \\ 2553156835 \\ -1124.05005 \pm 0.009 \\ -1124.05005 \pm 0.009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 954802432 \\ 2553156835 \\ -1124.05005 \pm 0.009 \\ -1124.05005 \pm 0.009 \\ 0 \\ 0 \\ \end{array}$	
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 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.RelHwPosFilt2V_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.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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 0 0 0	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 0 0	
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 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.RelHwPosFilt2V_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.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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 -1124.05005 0 0	$\begin{array}{c} 1 \\ 328928812 \\ 2553156835 \\ -1124.05005 \pm 0.009 \\ -1124.05005 \pm 0.009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 954802432 \\ 2553156835 \\ -1124.05005 \pm 0.009 \\ -1124.05005 \pm 0.009 \\ 0 \\ 0 \\ \end{array}$	
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_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_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_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.Filter1Initialized_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_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.Filter2Initialized_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 0 0 0 1 328928812	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 0 0 1 328928812	
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_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.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.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.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_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_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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 0 0 0 1 328928812 2553156835	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 0 1 328928812 2553156835	
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_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.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.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.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.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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 0 0 0 1 328928812 2553156835 -1124.05005 0 0 1 328928812 2553156835 -1124.05005 0 0 0 1	$\begin{array}{c} 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 1\\ 1\\ 1\\ 0\\ 954802432\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 0\\ 0\\ 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	
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_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.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1=Ns_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.Filter1Initialized_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.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.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.Filter1Enable_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 0 0 0 1 328928812 2553156835 -1124.05005 -1124.05005 0 0 1 1 328928812 2553156835 -1124.05005 0 0 1	$\begin{array}{c} 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 1\\ 1\\ 1\\ 0\\ 954802432\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 0\\ 0\\ 0\\ 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ 0\\ 0\\ 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 0\\ 1\\ 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 0\\ 1\\ 1\\ \end{array}$	
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_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.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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_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.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_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 0 0 0 1 328928812 2553156835 -1124.05005 0 0 1 1 328928812 2553156835 -1124.05005 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\begin{array}{c} 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 1\\ 1\\ 1\\ 0\\ 954802432\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 0\\ 0\\ 0\\ 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ 0\\ 0\\ 1\\ 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ \end{array}$	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVId_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_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.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.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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 0 0 0 1 328928812 2553156835 -1124.05005 0 0 1 1 1 124.05005 -1124.05005 0 0 1 1 1 1 1 1 1	$\begin{array}{c} 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 1\\ 1\\ 1\\ 0\\ 954802432\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 0\\ 0\\ 0\\ 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ 0\\ 0\\ 1\\ 1\\ 328928812\\ 2553156835\\ -1124.05005 \pm 0.009\\ -1124.05005 \pm 0.009\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ \end{array}$	
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_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AltoCntrDetSpd_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.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.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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_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	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 0 0 1 1 328928812 2553156835 -1124.05005 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 0 1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009	
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_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AltoCntrDetSpd_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.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.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_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 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.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.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_HiSpdLearnt_Cnt_M_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 0 0 1 328928812 2553156835 -1124.05005 0 0 1 1 1 124.05005 0 0 1 1 1 124.05005 0 1 1 1 1 1 1 1 1 1 1 1	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 0 0 1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 1 1 328928812 1 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 1 1 1	
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_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AltoCntrDetSpd_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.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.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_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 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.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_HiSpdLearnt_Cnt_M_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 -1124.05005 0 0 1 1 328928812 2553156835 -1124.05005 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 0 1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009	
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_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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Sy_ldy_gstr.Sty_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Sy_ldy_gstr.Sty_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Sy_ldy_gstr.Sty_Uls_f32 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.Filter1Sy_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_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 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.Filter2Enable_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.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_HiSpdLearnt_Cnt_M_lgc	154 -1124.05005 0 11.4099998 -4.5 0 75 Actual Value 1 328928812 2553156835 -1124.05005 1 1 1 0 954802432 2553156835 -1124.05005 0 0 1 328928812 2553156835 -1124.05005 0 0 1 1 1 124.05005 0 0 1 1 1 124.05005 0 1 1 1 1 1 1 1 1 1 1	1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 1 1 1 0 954802432 2553156835 -1124.05005 ± 0.009 0 0 1 328928812 2553156835 -1124.05005 ± 0.009 -1124.05005 ± 0.009 0 1 1 328928812 1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009 -1124.05005 ± 0.009	





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	✓

T				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 2.187 (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	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_lgc	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
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.5
/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
/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	32.099985
/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_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_ForceCenterErrabled_Cht_lin_igc /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	
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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 1 1 2728878080 2760420809 -136.300003 -136.300003 0 1 1 1 0 383750110 2760420809	0 0 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 0 383750110 2760420809	
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.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 1 1 2728878080 2760420809 -136.300003 -136.300003 0 1 1 1 0 383750110 2760420809 -136.300003	0 0 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 0 0 383750110 2760420809 -136.300003 ± 0.0009	
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.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 1 2728878080 2760420809 -136.300003 -136.300003 0 1 1 1 0 383750110 2760420809 -136.300003 -136.300003	0 0 1 1 1 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 0 0 383750110 2760420809 -136.300003 ± 0.0009 -136.300003 ± 0.0009 -136.300003 ± 0.0009 -136.300003 ± 0.0009	
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.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	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 2728878080 2760420809 -136.300003 ± 0.0009 0 1 1 1 0 0 383750110 2760420809 -136.300003 ± 0.0009 -136.300003 ± 0.0009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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.Filter1Enable_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.Filter1Enable_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 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 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.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	✓

T				✓
Actual Function	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	Innut Value
	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
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 Igc	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	86.599985
'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
ehbyn_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
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
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 Igc	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		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000483999989 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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	1117112832		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_uss_uss_uss_uss_uss_uss_uss_uss_uss_uss$	4243378688		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_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	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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f3: -449.070007	2	
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		
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	1024 54822322		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		1024	
	54822322	1024 54822322	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	54822322 -444.839996	1024 54822322 -444.839996 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	54822322 -444.839996 -444.839996 0	1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 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	54822322 -444.839996 -444.839996 0 0	1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	54822322 -444.839996 -444.839996 0 0	1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322 -444.839996 -444.839996 0 0 1 1 824746752	1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 1 824746752	
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	54822322 -444.839996 -444.839996 0 0 1 1 824746752 54822322	1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322	
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	54822322 -444.839996 -444.839996 0 0 1 1 824746752 54822322 -444.839996	1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 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 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	54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996	1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009	
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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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 -444.839996 0	1024 54822322 -444.839996 ± 0.0009 0 0 0 1 824746752 54822322 -444.839996 ± 0.0009 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.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	54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 -444.839996 0 1	1024 54822322 -444.839996 ± 0.0009 0 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 1	
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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.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_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	54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 0 1 1 1 0 1024 54822322 -444.839996	1024 54822322 -444.839996 ± 0.0009 0 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 1 0 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	
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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	✓

Т				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	~

trannElapsedTime_mS_u32(ElapsedTime) taltsystemTime_mS_u32(CurrentTime) taltsystemTime_mS_u32(CurrentTime) talts_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) talts_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) talts_Call_Ap_VehDyn talts_Ap_VehDyn talts_Ap_	504.099976 116.099998 12.1000004 85.0999985 21364 22497 22967684784 42967684784 4480.880005 0.000953999988 4480.880005 0.000953999988
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tage_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) tage_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) tage_Inst_Ap_VehDyn hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Dhresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Dhres	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 1 304.099976 116.099998 12.100004 35.099985 21364 22497 2967684784 29667684784 4.480.880005 0.000953999988 14.80.880005 0.000953999988 1 1 1 0 0 0 2.225 106.699997 2.225
e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) tal_Inst_Ap_VehDyn hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u26 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u26 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SU_Uls_f32 hDyn_AutoCnt	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 604.099976 116.099998 12.100004 35.0999985 21364 22497 2967684784 480.880005 0.000953999988 480.880005 0.000953999988 1 1 1 0 0 0 2.225 106.699997 2.25
a_Inst_Ap_VehDyn hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 1. hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter1PinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	arget_Rte_Inst_Ap_VehDyn 1 604.099976 116.099998 12.1000004 35.0999985 21364 22497 2967684784 42967684784 480.880005 0.000953999988 480.880005 0.000953999988 1 1 1 0 0 0 2.25 106.699997
hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 12 hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNlm_f32 hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 hDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1004.099976 116.099998 112.1000004 35.0999985 21364 22497 2967684784 2967684784 480.880005 0.000953999988 480.880005 0.000953999988 1 1 1 1 0 0 0 2.225 106.699997
hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 thDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	304.099976 116.099998 12.1000004 35.0999985 21364 22497 2967684784 480.880005 0.000953999988 480.880005 0.000953999988 1 1 1 0 0 0 2.25 106.699997
hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 1 hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 1 hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.WrVel_MtrRadpS_f32 hDyn_AutoCntrHiSpd_M_str.Wrlyel_mtrRadpS_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Des_u32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_UIs_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	116.09998 12.100004 35.099985 21364 22497 2967684784 480.88005 0.00953999988 480.88005 0.000953999988 1 1 1 0 0 2.25 106.699997
hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 fbpyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 fbpyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 fbpyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 fbpyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 fbpyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 fbpyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 fbpyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc fbpyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc fbpyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc fbpyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc fbpyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 fbpyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 fbpyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 fbpyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 fbpyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 fbpyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fbpyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fbpyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fbpyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fbpyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fbpyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 fbpyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	12.1000004 35.0999985 21364 22497 2967684784 480.880005 0.000953999988 480.880005 0.000953999988 1 1 1 0 0 2.25 1006.699997
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_UIs_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	35.099985 21364 22497 2967684784 480.88005 0.000953999988 480.88005 0.000953999988 1 1 0 0 0 2.25 106.699997 2.25
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Inable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Inable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Inable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Inable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter3Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter3Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_UIs_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	21364 22497 2967684784 2967684784 480.88005 0.000953999988 480.88005 0.000953999988 1 1 0 0 0 2.25 1006.699997
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 22. hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 23. hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 24. hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 25. hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 26. hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 27. hDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 28. hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 29. hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 30. hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 30. hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 40. hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 40. hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadps_f32 40. hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 40. hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 40. hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 40. hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 40. hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 40. hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 40. hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 40. hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 40. hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 40. hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	22497 2967684784 2967684784 480.88005 0.000953999988 480.88005 0.000953999988 1 1 0 0 0 2.25 1006.699997
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc nDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc nDyn_AutoCntrHiSpd_M_str.WitPel_MtrRadpS_f32 hDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	2967684784 2967684784 480.880005 0.000953999988 480.880005 0.000953999988 1 1 0 0 0 2.25 106.699997 2.25
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2967684784 .480.88005 .0.00953999988 .480.88005 .0.00953999988 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Witvel_MtrRadpS_f32 hDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32	480.88005 0.000953999988 480.88005 0.000953999988 1 1 0 0 0 2.25 106.699997 2.25
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.WetVel_MtrRadps_f32 thDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 thDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 thDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0.000953999988 480.880005 0.000953999988 1 1 0 0 0 2.25 106.699997 2.25
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.S_Uls_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	480.88005 0.000953999988 1 1 0 0 0 0 2.25 106.699997
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0 hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 hDyn_AutoCntrDetSpd_M_str.WitrVel_MtrRadpS_f32 2 hDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 1 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 2 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 4 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 7 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 3 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 3 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 3 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 3 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SU_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	0.000953999988 1 1 0 0 0 2.25 106.699997 2.25
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 hDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 2 hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 1 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 2 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 9 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 7 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 33 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 33 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 6 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	1 1 0 0 2.25 106.699997 2.25
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1 0 0 2.25 106.699997 2.25
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 2.25 106.699997 2.25
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0 2.25 106.699997 2.25
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 2 hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 1 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 2 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 9 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 7 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 33 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 33 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 40 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 40 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 40 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 40 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 40 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 40 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	2.25 106.699997 2.25
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 1 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 2 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 3 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 9 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 7 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 33 hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	106.699997 2.25
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 2 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 9 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 7 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 33 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 22 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 22 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 42 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 43 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 44 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 44 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 46 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 46 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0	2.25
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 22 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 7 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 33 hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 34 hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 25 hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 26 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 46 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 47 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 48 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 49 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 40 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 40 41 42 43 44 44 45 45 46 46 46 47 46 47 46 47 46 47 47 47 47 47 47 47 47 47 47 47 47 47	96.8000031
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 3:hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2:hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2:hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 4:hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 4:hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 4:hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 4:hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 4:hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 4:hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 5:1222	7004
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2: hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2: hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 4: hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0: hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4: hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0: hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0: hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0:	7034
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2: hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 4- hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0: hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 4- hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0: hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0: hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0:	39056
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	2967684784
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	2967684784
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -4 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0 hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	480.880005
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000753999979
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	480.880005
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hDvn AutoCntrHiSnd M etr Eilter?Enable Cnt Ide	
7 =	
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0	
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1	
	2.20000005
, =	146.199997
,	7.19999981
,	52.2000008
,	43190
	3186
· - ·	2967684784
,	2967684784
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	480.880005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.50000036e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	480.880005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000953999988
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0	1





Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	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	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1 1162.88599		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-376.39801		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_Uls_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_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	1.20000005		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	56.0999985		
k_TravelXCDeadband_Uls_f32	5.44000006		
k_TravelXCHwAuthority_Uls_f32	0.210174993		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	Ti 1736795392		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTim$	e 1050692864		
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_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_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_MtrI		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-442.809998	32	
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 Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87		
Name	A -41 W-1		
	Actual value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1	1	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		•	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 2967684784	1 2967684784	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 2967684784 2967684784	1 2967684784 2967684784	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	1 2967684784 2967684784 -480.880005	1 2967684784 2967684784 -480.880005 ± 0.0009	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	1 2967684784 2967684784 -480.880005 -480.880005	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009	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	1 2967684784 2967684784 -480.880005 -480.880005	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009	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	1 2967684784 2967684784 -480.880005 -480.880005 1	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1	
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	1 2967684784 2967684784 -480.880005 -480.880005 1	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1	
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	1 2967684784 2967684784 -480.880005 -480.880005 1 1	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 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	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784	
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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.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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0	
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.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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0	
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VehDyn_AutoCntrDetSpd_M_str.Timer1_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.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_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.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 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752	
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.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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_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.Filter1Sinitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784 -480.880005 0 0 1 824746752 2967684784	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 824746752 2967684784	
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.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.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_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_Uls_f32	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784 -480.880005 0 0 1 824746752 2967684784 -480.880005	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009	
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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Sintialized_Cnt_lgc 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.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 -480.880005	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 -480.880005 ± 0.0009 -480.880005 ± 0.0009 -480.880005 ± 0.0009	
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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_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.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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784 -480.880005 0 0 1 824746752 2967684784 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 0 1	Result
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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Sintialized_Cnt_lgc 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.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 2967684784 2967684784 -480.880005 -480.880005 1 1 0 0 824746752 2967684784 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 -480.880005	1 2967684784 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 -480.880005 ± 0.0009 -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	✓

Τ				✓
Actual Function	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_veribyn_systemTime_btffffffine_dsectffffe mS_u32(Erapsectffffe) Rte_Call_Ap_veribyn_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.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_wi_si::Tille12_m3_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
/ehDyn_AutoChtrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Ois_i32	0.000755999994
/enDyn_AutoCntrhiSpd_M_str.ReinwPosFilt1SV_nwDeg_str.K_Dis_is2 /ehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32	710.950012
· - · ·	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000503999996
/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	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

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Input Value



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_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	1197.33997		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
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_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_Uls_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_UIs_f32	4.40999985		
	0.211400002		
k_TravelXCHwAuthority_Uls_f32			
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	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_f3	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_MtrF	RadpS_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_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_lg	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	1_f32	
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 Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127.450996		
		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	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 Igc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758	3174948758	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174946756	3174948758	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	
	710.950012	710.950012 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32		1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
	1		•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 1 1	1	•
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_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 1 1 0	1 1 0	
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 1 0 309385728	1 1 0 309385728	





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	✓

Т				✓
Actual Function	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	200.399994
	52.4000015
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	14.3999996
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	
/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
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.FiltPinTrg 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

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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 -714.090027		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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_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	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-363.029999		
VehDyn_MinOffset_HwDeg_M_f32 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	1316564736		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	0.00120000006		
k_LoSpdVDAuthority_Uls_f32	0.899999976		
k_SrlHwAgVldTiThd_mS_u32	987		
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 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	824746752 3494315776		
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	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	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	roo	
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_Cn		
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	_	
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		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230	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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	54822322 -714.090027	54822322 -714.090027 ± 0.0009	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV_Uls f32	-714.090027 -714.090027	-714.090027 ± 0.0009	J
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	744 000007	-714.090027 ± 0.0009	•
Veribyri_Autoonur iiopu_ivi_suveri iwr osi iit iov_i iwbeg_str.ov_ois_isz	-714.090027		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-714.090027 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	-714.090027 0 1	0	*
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-714.090027 0	0	\rightarrow \frac{1}{2}





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_UIs_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	~

Τ				✓
Actual Function	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 2.192 (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
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	110.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000958000019
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019
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
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	75.4499969
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	110.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026
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	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031

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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 110.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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 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	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 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-369.75 -5.4000001		
VehDyn_PinTrqSV_M_str.Sv_Uis_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32	-5.4000001 0.000482000003		
VehDyn SLPHwAuth Uls M f32	0.256999999		
VehDyn SLPHwPos HwDeg M f32	72.9700012		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_UIs_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_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	e 2075080192 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		
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_	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	-424.029999 4074.23404		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	1071.23401 -1.22000003		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985		
target_VehDyn_Per1_MotorVelCRF_MitrRadpS_i32.value 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	1.2999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001		
Name	Actual Value	Expected Value	Resu
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_AutoCntrlDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	,
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4211268631 110.5	4211268631 110.5 ± 0.0009	

110.5

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

110.5 ± 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	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	~

Τ				✓
Actual Function	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	~

Test Step 2.193 (Repeat Count = 1)	Invest 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
/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
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_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_AutoCatrl oSpd_M_str.Timer2Thresh_mS_u16	18715		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631 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	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn ForceCenterEnabled Cnt M Igc	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 VehDyn_PinTrqSV_M_str.K_UIs_f32	7.5999999 0.000483000011		
VehDyn_SLPHwAuth_Uls_M_f32	0.238000005		
VehDyn_SLPHwPos_HwDeg_M_f32	83.2300034		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1640834048		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32 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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	1759885568		
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	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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_MtrN 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	-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_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	0 83.2300034		
target_VenDyn_Per1_SnHwAg_HwDeg_t32.value target_VenDyn_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	•
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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-1014.73999 1	-1014.73999 ± 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	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
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	-1014.73999	-1014.73999 ± 0.009	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	





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	~

T				✓
Actual Function	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 2.194 (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	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	-284.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
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	68.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_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	-284.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
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





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_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	1596.97998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	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	862957440		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	3.0999999		
k_LoSpdVDAuthority_UIs_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 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime		2	
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_f3: 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_venDyn.VenDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_inst_Ap_veribyii.veribyii_Feri_SensoriessAutrionty_0is_i32 target_Rte_inst_Ap_veribyii.veribyii_Feri_SensoriessHwPos_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_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_f		
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	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	Actual Value	Expected Value	Result
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	
Vol.Dur. AutoCottrDotCod M. etc.Doll.liv.Doc.Cild.CV/ Lliv.Doc. etc.CV/ Llie. 622	204 200000	204 200000 + 0 0000	

Name	Actual Value	Expected Value	Result
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_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	~





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	~

Т				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
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	457.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
/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

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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	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	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	1259.78003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	7.51999978e-005 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_Igc	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_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_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	4.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	91986		
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031		
k_TraveIXCDeadband_UIs_f32	4.46000004		
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	0.217525005 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 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_MtrNm_f32		
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	-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_lgc.value			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	103.75 -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 Igc	1	1	Result
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 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc





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	Ī	~
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	~

Т				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 2.196 (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	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	0.00089999985
/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





ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc f80.700088
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_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0
7 2 3 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4
ADVID AutoCatal aCad. M. etc. MtcVol. MtcDadaS. f.22 590.700000
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 580.799988
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 156.800003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 2.79999995
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 42.7999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 16683
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 22497
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4004004656
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1600
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 6.95999988e-005
ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600
ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000899999985
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 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 398.059998
ehDyn_HiSpdLearnt_Cnt_M_lgc 1
ehDyn_initialize_Cnt_M_lgc 0
ehDyn_LoSpdLearnt_Cnt_M_lgc 1
phDyn_MaxOffset_HwDeg_M_f32 1267.71802
ehDyn_MinOffset_HwDeg_M_f32 -490.709991
ehDyn_PinTrqSV_M_str.SV_UIs_f32 6.30000019
ehDyn_PinTrqSV_M_str.K_Uls_f32 0.000452999986
ehDyn_SLPHwAuth_Uls_M_f32 0.0549999997
ehDyn_SLPHwPos_HwDeg_M_f32 257.649994
ehDyn_SrlHwAgVldTimer_mS_M_u32 1314708608
HiSpdVDAuthority_Uls_f32 0
HwTqMgnThd_HwNm_f32 5.0999999
LoSpdVDAuthority_Uls_f32 1
S





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_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	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	~

T				
Actual Function	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 2.197 (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
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988
VehDyn_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
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	11226
VehDyn_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
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000902
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
/ehDyn_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
/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
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_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_AutoCntrl Spd_M_str.Filter2Initialized_Cnt_lgc			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	621.400024 166.399994		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	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	6.9800003e-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 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_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	15.1999998 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_UIs_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 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		
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	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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_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	-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	-1.60000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0 499		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		Expected Value	Paged
Name VehDvn AllowHiSpdAutoCotr Cot M Ide	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 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_UIs_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	✓

T			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_Uls_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	✓

T				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 2.199 (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

VehDyn_Per1

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Name

Name	Input Value
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993

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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
, =	3277
,	328928812
, _	1078320779
, _ ,	-1482.09998
, = 1 = = = = = = = = = = = = = = = = =	0.000707999978 -1482.09998
, _ ,	0.000407999993
, =	0.000407939993
, , , , , , , , , , , , , , , , , , , ,	1
,	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
,	1
, =	0
,	0
, =	0
,	707.700012
,	797.700012
.) = = . = =	0
, = = = = = = = = = = = = = = = = = = =	1
, , , , , , , , , , , , , , , , , , , ,	1287.68604
,	-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_MotorveiCkF_Mtrkadp5_t32 target_VenDyn_Per1_ReiHwPos_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	~

Τ				✓
Actual Function	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	, _ ,	
ValDys, AutoChristops, M. art ReinhorsentitSV jarNega at SV Us. 122 ValDys, AutoChristops, M. art ReinhorsentSV jarNega at KU Us. 123 ValDys, AutoChristops, M. art ReinhorsentSV jarNega at KU Us. 123 ValDys, AutoChristops, M. art Reinhorsents, ValDys at ValDys, AutoChristops, M. art Reinhorsent, Cit. Up: ValDys, AutoChristops, M. art Reinhorsents, M. Dys, 22 ValDys, M.		
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
VehDyn_MinOffset_HwDeg_M_f32 524.309998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 5.4000001 VehDyn_PinTrqSV_M_str.SV_Uls_f32 0.0004579999955 VehDyn_SLPHwAuth_Uls_M_f32 0.100000001 VehDyn_SHPHwRos_HwDeg_M_f32 308.950012 VehDyn_SHPHwRos_HwDeg_M_f32 824746752 k_HiSpdVDAuthority_Uls_f32 0.889999886 k_HiSpdVDAuthority_Uls_f32 0.119999997 k_LoSpdVDAuthority_Uls_f32 0.119999997 k_SyskinRatio_MirDegpHwDeg_f32 744 k_SyskinRatio_MirDegpHwDeg_f32 75.8700027 k_TraveXCDeadband_Uls_f32 35.8600006 k_TraveXCHwAuthority_Uls_f32 0.242025003 target_DimmElapsedTime_mS_u32_ElapsedTime 437401088 target_DimmElapsedTime_mS_u32_CurrentTime 95402432 target_Re_lal_N_VehDyn_SystemTime_DetrimElapsedTime_mS_u32_CurrentTime 2075000192 target_Re_lal_N_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 24746752 target_Re_lal_N_VehDyn_NehDyn_Perl_CwEOT_HwDeg_f32 target_VehDyn_Perl_CwEOT_HwDeg_f32 target_Re_lal_N_A_VehDyn_NehDyn_Perl_CwEOT_HwDeg_f32 target_VehDyn_Perl_MRRAPS_f32 target_Re_lal_N_A_VehDyn_NehDyn_Perl_SensoriessAturbority_Uls_f32<		-1292.67798
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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_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_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_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_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_CcwEOT_HwDeg_f32.value 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_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_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_UIs_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	✓

Τ				✓
Actual Function	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 Uls 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 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	44.2000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.399996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
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
	0.000912000018
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 Igc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
VehDyn LoSpdLearnt Cnt M Igc	1
	1297.67004
VehDyn_MaxOffset_HwDeg_M_f32	1-2-7-1-2-7
VehDyn_MinOffset_HwDeg_M_f32	-531.030029
VehDyn_PinTrqSV_M_str.SV_UIs_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_UIs_f32	1
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	97.4499969
k TravelXCDeadband Uls f32	37.4300003
k TravelXCHwAuthority Uls 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	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_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc





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_Igc	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_lgc	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_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	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	✓

T				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	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.599985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.699997
VehDyn_AutoCottrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.60000038 54
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn ForceCenterOffset HwDeg M f32	1097.43005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	-3.5999999
VehDyn_MinOffset_HwDeg_M_f32	7.80000019
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_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_UIs_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_TravelXCHwAuthority_Uls_f32	0.244475007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816
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
torset Dte Inst An VohDum VohDum Dord CurEOT Hurber 192	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_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_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_VehDyn_Per1_RelHwPos_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_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVeiCRF_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_MotorVelCRF_MtrRadpS_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_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_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32





Name	Input Value		
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_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	-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_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	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_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	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_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	-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	✓

T				
Actual Function	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_Uls_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_SensorlessAuthority_Uls_f32					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld	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_TorqueCmd	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpee	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	target_VehDyn_Per1_VehicleSpeed_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	-4.07999992				
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.0999985	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	→			

T				✓
Actual Function	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 2.205 (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

2015-09-15, 13:22:52+0530



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_	
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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 -551.190002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -14.8000002 VehDyn_SLPHwAuth_UIs_M_f32 </td <td></td>	
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_MotorVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos Hv	vDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut	hority 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_lgc	target_VehDyn_Per1_SrlHwAgVld_0	Cnt Igc	
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 TorqueCmdCF	RF MtrNm f32	
target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed	/alid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed		
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_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	-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	~
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 UIs 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	✓
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	2967684784	2967684784	~
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 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	
VohDun Cell huAst/IdTimes mC M v22	4479054594	4470054504	

Τ				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	•

4178051584

-1600

4178051584

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

VehDyn_SrlHwAgVldTimer_mS_M_u32

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

2015-09-15, 13:22:52+0530



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_Uls_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
SrlHwAgVldTiThd_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
rarget_GetSystemTime_mS_u32_CurrentTime	





Name	Input Value					
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_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					
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32		arget_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	arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_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	-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					
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1					
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	360.25					
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999					
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0					
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489					
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_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	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	Y			
VehDyn_SrlHwAgVldTimer_mS_M_u32	459322752	459322752	Y			
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004				
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-920.48999	-920.48999 ± 0.1	~			

T				✓
Actual Function	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



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 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784 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
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	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	70.4000000
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	78.1999969 52.200008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.199998
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	41.200008
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	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	1497.06995
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
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	1391465216
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	52.5400009
k TravelYCDeadhand Ills f32	
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	45.2799988 0.249375001





Name	Input Value		
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_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	.50 <u>9_</u> .02	
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	-461.790009	_	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	943.146973		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.4099985		
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 Iqc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.270004		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	- TOOUIT
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	J
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 Iqc	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 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	-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	~

T			✓	
Actual Function	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	✓



est Step 2.208 (Repeat Count = 1)	Invest 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	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.Timer1_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_Igc	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.RV_Uls_f32	-1377.90002
· - · ·	0.000440000003
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_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.SV Uls f32	-1377.90002
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000923999993
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
enDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_ForceCenterEnabled_Cnt_M_lgc	
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	2212175616
·	
ehDyn_SrlHwAgVldTimer_mS_M_u32	
ehDyn_SrlHwAgVldTimer_mS_M_u32 _HiSpdVDAuthority_Uls_f32	0.779999971
ehDyn_SrlHwAgVldTimer_mS_M_u32 _HiSpdVDAuthority_Uls_f32 _HwTqMgnThd_HwNm_f32	0.779999971 1.10000002
ehDyn_SrlHwAgVldTimer_mS_M_u32 _HiSpdVDAuthority_Uls_f32	0.779999971

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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	2212175616		
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	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_MtrI		
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	-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_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	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 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	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002 -1377.90002	-1377.90002 ± 0.009 -1377.90002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			_
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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrhSpd_M_str.Filier2iiiidaiized_Cnt_igc VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3304439296	3304439296	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
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	0	0	
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt.lgc	1	1	
	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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 Igc	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	2212175616	2212175616	-
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~
0 _ , _ : _ : _ : _ : _ : _ : _ : _ : _ :			



Τ			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	-

est Step 2.209 (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	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 Igc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.3000031
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.5
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.3000031
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
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.21999968e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1380.59998
hDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32	0.000926000008
ehDyn AutoCnttLoSpd M str.Filter1Enable Cnt lgc	1
enDyn_AutoCntrLoSpd_M_str.FilterTenable_Cnt_igc	0
, =	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
ehDyn_ForceCenterEnabled_Cnt_M_lgc	1
ehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
ehDyn_HiSpdLearnt_Cnt_M_lgc	1

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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_UIs_f32	0.000465999998		
VehDyn_SLPHwAuth_Uls_M_f32	0.172000006		
VehDyn_SLPHwPos_HwDeg_M_f32	391.029999 2059598336		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_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 Uls f32	0.251825005		
target DtrmnElapsedTime mS u32 ElapsedTime	3039943680		
target_GetSystemTime_mS_u32_CurrentTime	2167769344		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	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_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	-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	391.029999		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value			
	398 880005		
	398.880005	Expected Value	Rosult
Name	Actual Value	Expected Value	Result
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	1	~
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 1 3382212733	1 3382212733	Result
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	Actual Value 1 3382212733 3589476707	1 3382212733 3589476707	
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	Actual Value 1 3382212733 3589476707 -1380.59998	1 3382212733 3589476707 -1380.59998 ± 0.009	~
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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009	
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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009	0
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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009 0	
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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009	0
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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009 0 0	
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.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0 1	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009 0 0	
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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0 1 2167769344	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009 0 0 1 2167769344	
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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0 1 2167769344 3589476707	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009 0 0 1 2167769344 3589476707	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilltSV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFillt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0 1 2167769344 3589476707 -1380.59998	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009 0 0 1 2167769344 3589476707 -1380.59998 ± 0.009	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilltSV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFillt2SV_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.Filter2Initialized_Cnt_Igc 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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0 1 2167769344 3589476707 -1380.59998 -1380.59998	1 3382212733 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009 0 0 1 2167769344 3589476707 -1380.59998 ± 0.009 -1380.59998 ± 0.009	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilltSV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFillt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc 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.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0 1 2167769344 3589476707 -1380.59998 -1380.59998 0	1 3382212733 3589476707 -1380.59998 ± 0.009 0 0 0 1 2167769344 3589476707 -1380.59998 ± 0.009 0	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilltSV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilltSV_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	Actual Value 1 3382212733 3589476707 -1380.59998 -1380.59998 0 0 1 2167769344 3589476707 -1380.59998 -1380.59998 0 1	1 3382212733 3589476707 -1380.59998 ± 0.009 0 0 0 1 2167769344 3589476707 -1380.59998 ± 0.009 0 1	
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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	✓

T				✓
Actual Function	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
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	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
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_lgc	1
	126.599998
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.29999995 75.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
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	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
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	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_AutoCntrHoSpd_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.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	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.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	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	✓

Т				✓
Actual Function	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
	target DtrmnElapsedTime mS u32 ElapsedTime
htrmnElapsedTime_mS_u32(ElapsedTime) SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	
tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
, , ,	
tte_Inst_Ap_VehDyn /ehDyn AllowHiSpdAutoCntr Cnt M lgc	target_Rte_Inst_Ap_VehDyn
	604.099976
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	
/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	0.0092999998
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_Igc	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_Igc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.300003
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5999985
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.5999999
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.5999985
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

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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	-1300.41003		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MinOffset_HwDgq_M_f32	1286.55005 -537.75		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.2000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468000013		
VehDyn SLPHwAuth Uls M f32	0.189999998		
VehDyn_SLPHwPos_HwDeg_M_f32	411.549988		
VehDyn SrlHwAgVldTimer mS M u32	2659241984		
k_HiSpdVDAuthority_UIs_f32	0		
k_HwTqMgnThd_HwNm_f32	0.00120000006		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	90		
k_SysKinRatio_MtrDegpHwDeg_f32	56.3300018		
k_TravelXCDeadband_Uls_f32	100		
k_TravelXCHwAuthority_Uls_f32	0.254274994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192		
target_GetSystemTime_mS_u32_CurrentTime	3323480832		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u322_ElapseTime_mS_u322_ElapseTime_$	Ti 123		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u30_CurrentTim$	e 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		
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_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_C target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-492.670013	5 2	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.870972		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.8499999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988		
target VehDyn Per1 RelHwPos HwDeg f32.value	829.530029		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target VehDyn Per1 SrlHwAg HwDeg f32.value	411.549988		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-7.30000019		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
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	4004004656	4004004656	-
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	
Volation AutoCateDatCad M. ate Filter/Unitialized Cat. Inc.	0	U	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0	0	•
VehDyn_AutoChtrDetSpd_M_str.Filter1hildanzed_Cht_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1		
	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 3796740682	0 1 3796740682	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 1 3796740682 4004004656 829.530029 829.530029	0 1 3796740682 4004004656	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	0 1 3796740682 4004004656 829.530029 829.530029 0	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 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	0 1 3796740682 4004004656 829.530029 829.530029 0	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 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.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.Filter1Initialized_Cnt_lgc	0 1 3796740682 4004004656 829.530029 829.530029 0 1	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 3796740682 4004004656 829.530029 829.530029 0 1 1	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 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_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 1 3796740682 4004004656 829.530029 829.530029 0 1 1 1 0 3796740682	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 1 0 3796740682	
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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_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	0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 1 0 3796740682 4004004656	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 1 1 0 3796740682 4004004656	
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.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_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	0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 0 3796740682 4004004656 829.530029	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 1 0 3796740682 4004004656 829.530029 ± 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.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_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	0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 1 0 3796740682 4004004656 829.530029 829.530029	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 1 0 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 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.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_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	0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 1 0 3796740682 4004004656 829.530029 829.530029	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 1 0 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 0 3796740682 4004004656 829.530029 829.530029 1 0	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 1 0 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 829.530029 ± 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.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_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	0 1 3796740682 4004004656 829.530029 829.530029 0 1 1 1 0 3796740682 4004004656 829.530029 829.530029	0 1 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009 0 1 1 0 3796740682 4004004656 829.530029 ± 0.0009 829.530029 ± 0.0009	

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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_UIs_f32	3.196172	3.196172 ± 0.000009	•
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.189999998	0.189999998 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1241.08008	1241.07996 ± 0.1	~





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		
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_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_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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedT$	5477		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTim$	2942063360		
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_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lge		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3	32	
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	-500.390015		
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	1.29999995		
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 Igc	1	1	- 100uii
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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1	1	-
	0	0	
VehDyn_AutoCotrHiSpd_M_str.Filter2Initialized_Cnt_lgc			
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_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_Igc	0	0	
VehDyn_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_lgc	1 71426560	71426560	~
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	71426560	71426560	*
VehDyn_AutoCntrl_oSpd_M_str.Timer2_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	1123.40002	1123.40002 ± 0.009	*
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1123.40002	1123.40002 ± 0.009	-4
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	1	
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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	✓

Τ				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 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 0.000453999994		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.064000003		
VehDyn SLPHwPos HwDeg M f32	267.910004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	889845248		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	6.0999999		
k_LoSpdVDAuthority_UIs_f32	0		
k_SrlHwAgVldTiThd_mS_u32	45		
k_SysKinRatio_MtrDegpHwDeg_f32	52.2000008		
k_TravelXCDeadband_Uls_f32	20		
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	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_UIs_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 Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32	target_VehDyn_Per1_SrlHwAgVid_Cnt_Igc 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	-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 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	Result
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	~
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 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1frilialized_Cnt_lgc 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	~
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_AutoCotrl oSpd_M_str.Filter2Initialized_Cnt_lgc	1 1050692864	1 1050692864	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	J
voneyn_nutoonii.coopu_ivi_att.filliciz_filo_uoz	OTOLLULL	UTULLULL	





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_Uls_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	✓

Т				
Actual Function	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	~

lawa.	Immit 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	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 lgc	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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VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_Thresh_mS_u16 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.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_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_ForceCenterEnabled_Cnt_M_lgc 0			
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.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc 0	115 11268631 80073393 8.170013 0000029e-005 8.170013		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4211 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2160 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -378 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 7.301 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -378 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.001 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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0	1268631 80073393 8.170013 0000029e-005 8.170013		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_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.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_ForceCenterEnabled_Cnt_M_lgc 0	50073393 8.170013 0000029e-005 8.170013		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -378 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 7.30l VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -378 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00l 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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0	8.170013 0000029e-005 8.170013		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 7.30l VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -378 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00l 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	0000029e-005 8.170013		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -378 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00l 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	8.170013		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00t 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_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	00934000011		
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_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 0			
VehDyn_ForceCenterEnabled_Cnt_M_lgc 0			
7 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
	00.58997		
VehDyn_HiSpdLearnt_Cnt_M_lgc 1	00.00007		
VehDyn Initialize Cnt M Igc 1			
VehDyn_LoSpdLearnt_Cnt_M_lgc 1			
VehDyn_MaxOffset_HwDeg_M_f32 1278	'8.75		
VehDyn_MinOffset_HwDeg_M_f32 -564	-564.630005		
VehDyn_PinTrqSV_M_str.SV_Uls_f32 7.599	999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000	0046999999		
VehDyn_SLPHwAuth_Uls_M_f32 0.20	08000004		
,	2.070007		
3 1 1 2 2	7829376		
k_HiSpdVDAuthority_UIs_f32 0	00000		
_	999999		
k_LoSpdVDAuthority_UIs_f32 1			
k_SrlHwAgVldTiThd_mS_u32 456			
	41.040009		
k TravelXCHwAuthority Uls f32	24.8700008		
	2728878080		
	30672128		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi 89			
	7829376		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_	get_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target	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		
	-508.109985		
	909.732971		
	-5.07000017		
0 = 7 = = -	-835.200012		
	8.170013		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 1			
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value 432.value	2.070007		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 5.599	999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 120.	0.480003		
Name Actu	tual Value I	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1		1	~
		4211268631	~
		2160073393	~
,		-378.170013 ± 0.0009	V
		-378.170013 ± 0.0009	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0		0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1		1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1		1	Ž
Vone yn _nutoonii Dotopu_m_sun iitei ziriilializeu_oni_igo		2430672128	~
VehDvn AutoCntrHiSpd M str Timer1 mS u32		2160073393	Ž
	50073393		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2160			~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2160 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -378	8.170013 -	-378.170013 ± 0.0009 -378.170013 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2160 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -378	8.170013 - 8.170013 -	-378.170013 ± 0.0009	

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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	~

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VehDyn_Per1



· -			
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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1415.88 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		
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	-1274.84998		
VehDyn_MinOffset_HwDeg_M_f32	-578.070007		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001 0.000471000007		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000471000007		
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_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	3229		
k_SysKinRatio_MtrDegpHwDeg_f32	54.1399994		
k_TravelXCDeadband_Uls_f32	28.0100002		
k_TraveIXCHwAuthority_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752		
target_GetSystemTime_mS_u32_CurrentTime	2242866176		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$			
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		
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_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa 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	·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	732	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-515.830017		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	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	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	499.640015		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		Francisco d Volum	Decul
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	Expected Value	Resul
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2242866176	2242866176	
VehDyn_AutoCntrDetSpd_M_str.Timer1_m5_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.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	-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	~

T				✓
Actual Function	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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VehDyn_Per1



- VenByn_r err			(-4-16-16
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_AutoCntrl_oSpd_M_str.Timer1_mS_u32	1024 54822322		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 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 VehDyn_Initialize Cnt_M_lqc	0		
, = = = = = = = = = = = = = = = = = = =	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1270.94995		
VehDyn MinOffset HwDeg M f32	-591.51001		
VehDyn_PinTrqSV_M_str.SV_UIs_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_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	987		
k_SysKinRatio_MtrDegpHwDeg_f32	63.8699989		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	31.1499996 0.300000012		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target_GetSystemTime_mS_u32_CurrentTime		2269150976	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir			
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		
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_SensorlessAuthorit		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SensorlessHwPos_ target_VehDyn_Per1_SrlHwAgVld_Cnt_I		
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_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	-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 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0 230.119995		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Resu
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	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	54822322	54822322	· · · · · · · · · · · · · · · · · · ·

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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	✓

T				✓
Actual Function	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 2.217 (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	457.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.2000008
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.199998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
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	448.100006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000939999998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000939999998
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	10.5
VehDyn_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
VehDyn_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_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	5.0999999		
k_LoSpdVDAuthority_Uls_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	2644937728		
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_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_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_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	-531.27002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	893.026001		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.4000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	324.5		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	448.100006		
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_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.309998		
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	~
VehDvn_AutoCntrDetSnd_M_str_Filter1Enable_Cnt_lac	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	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	~

T				✓
Actual Function	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	~

Test Step 2.218 (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
/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
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000707999978

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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.PollHypposEit1SV_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_Uls_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	~

T .				✓
Actual Function	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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			
VehDvn_AutoCntrHiSnd_M_str_PalHwPosFilt1S\/_HwDag_str_S\/_Llls_f32	Input Value		
voneyn_natoonarnopa_w_sa.txeiriwr osi iit iov_riwDey_str.ov_Uis_io2	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		
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	86.0999985		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006		
	16.2999992		
VehDyn_AutoCntrloSpd_M_str.FiltPinTrq_HwNm_f32	96.099985		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32			
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	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 Igc	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_UIs_f32	0.000475000008		
VehDyn_SLPHwAuth_Uls_M_f32	0.252999991		
VehDyn_SLPHwPos_HwDeg_M_f32	0		
	2024341760		
VehDyn_SrlHwAgVldTimer_mS_M_u32			
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_Uls_f32	0.267749995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	55466		
target_GetSystemTime_mS_u32_CurrentTime	3437401088		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u332_ElapsedT$	2059598336		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	463842816		
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		
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		
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_Ci		
target_Rte_inst_Ap_venDyn.VenDyn_Per1_venideSpeed_Valid_Cnt_igc target_Rte_inst_Ap_vehDyn.VehDyn_Per1_vehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_Rte_inst_Ap_venDyn_VenDyn_Peri_venicieSpeed_Rpn_f32 target_VehDyn_Peri_CcwEOT_HwDeg_f32.value	-546.710022	<u></u>	
· · · · - · - · - · · -	881.888		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value			
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		
	Actual Value	Expected Value	Result
Name			
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
	0 3437401088	0 3437401088	<i>y</i>

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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	✓

Τ				✓
Actual Function	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
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	570.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.1999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2000008
/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	-10.3400002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000945999986
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
/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	75.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.099985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_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	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_TraveIXCHwAuthority_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	✓

T				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
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	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
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_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
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	3.2999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.099985
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	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.439999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	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	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1251.44995
VehDyn_MinOffset_HwDeg_M_f32	-658.710022 6.20000010
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019 0.000476999994
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.270999998
VehDyn_SLPHwPos_HwDeg_M_f32	-147.25
VehDyn SrlHwAgVldTimer mS M u32	963095040
k HiSpdVDAuthority UIs f32	0
k HwTqMgnThd HwNm f32	9.10000038
k_LoSpdVDAuthority_UIs_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
target_GetSystemTime_mS_u32_CurrentTime	463842816
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elapse$	2659241984
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	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_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_Igc
target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-562.150024 970.75
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	870.75 5.84000015
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-5.84000015 -75.5
target_VehDyn_Per1_MotorVeiCRF_IntrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-6.48000002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-147.25
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
gg.,	1





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	•

Т			✓	
Actual Function	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	0.000750000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492000021
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_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.FiltPinTrg 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	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1247 55005
VehDyn_MaxOffset_HwDeg_M_f32	-1247.55005 -672.150024
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
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_UIs_f32	0
k HwTqMgnThd HwNm f32	0.119999997
k LoSpdVDAuthority Uls 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
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elapse$	2942063360
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	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_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 -569.869995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-509.009995 865.18103
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.94999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.5
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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_Uls_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	~

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Actual Function	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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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 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	20423 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_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.099985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	1.29999995 32.099985
VehDyn_AutoCntrLoSpd_M_str.Cntrvvindow_HwDeg_r32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32.0999985 26195
VehDyn AutoCntrLoSpd M str.Timer1Thresh 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 VehDyn_HiSpdLearnt_Cnt_M_lgc	-201.399994 1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn LoSpdLearnt Cnt M Igc	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_UIs_f32	1
k_HwTqMgnThd_HwNm_f32	5.4499981
k_LoSpdVDAuthority_Uls_f32 k SrlHwAgVldTiThd mS u32	1 65
k_SysKinRatio_MtrDegpHwDeg_f32	65 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_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_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_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_venDyn.VenDyn_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
	1





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	✓

T			✓	
Actual Function	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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Vestory, Autocommoder, M., et Residence Harry, Factor, park, Jun., p. 20 Vestory, Autocommoder, M., et Residence Harry, Factor, park, Jun., p. 20 Vestory, Autocommoder, M., et Residence Coulty Vestory, Autocommoder, M., et Residence, M., et Residenc	Name	Input Value
VanDyn_Audicrindes		·
Verbys, Auconardes, J. J. P. Her Frank, Circ. 1982 Verbys, Auconardes, J. J. P. Her Frank, Circ. 1982 Verbys, Auconardes, J. J. P. Her Frank, Circ. 1982 Verbys, Auconardes, J. J. P. Her Frank, Circ. 1982 Verbys, Auconardes, J. J. P. Her Frank, Circ. 1982 Verbys, Auconardes, J. J. P. Her Frank, Circ. 1982 Verbys, Auconardes, J. J. P. Werbys, J. P. Lewis, J. P. Lewis, Circ. 1983 Verbys, Auconardes, J. J. P. Werbys, J. P. Lewis, J. Lewis, J. P. Lewis, J. Lewis, J. P. Lewis, J. Lewis, J. P. Lewis, J. P. Lewis, J. P. Lewis, J. Lewis		
VenDry		
Verby, AutoComesing M. st. Pitter Timistand Crit. Ige Verby, AutoComesing M. st. Pitter Timistand Crit. Ige Verby, AutoComesing M. st. Pitter Times M. St. 198 Verby, AutoComesing M. st. Pitter Times M. 198		
Verby, AutoContesting M. M. Marve, Mindess, 192 1990000000000000000000000000000000000		
Verbijn, Auscheristisch ist verbische bin 22 verbijn, Auscheristisch ist verbische bin 22 verbijn, Auscheristisch ist verbische bin 25 verbijn, Auscheristisch ist verbische bin 25 verbijn, Auscheristisch ist verbische bin 25 verbijn, Auscheristisch ist verbische binder gestellter in der verbische auswerbeit verbin verbische auswerbeit ver		
VeliDy AutoCrief Sept 1, 11 Verilor Sept 1, 12 VeliDy AutoCrief Sept 1, 11 VeliDy AutoCr		
Verbiling-Authoritisety II, yet Perfent Tyrethyne, 120 Verbiling-Authoritisety II, yet Cerebrone, button, 120 Verbiling-Authoritisety II, yet Terest Threath, ref., util Verbiling-Authoritisety II, yet Terest Threath, ref., util Verbiling-Authoritisety II, yet Terest Threath, ref., util Verbiling-Authoritisety II, yet Terest II, yet Undergraf SV, Unit Co. Verbiling-Authoritisety III, yet Terest III, yet Undergraf SV, Unit Co. Verbiling-Authoritisety III, yet Terest III, yet Undergraf SV, Unit Co. Verbiling-Authoritisety III, yet Terest III, yet Undergraf SV, Unit Co. Verbiling-Authoritisety III, yet Terest III, yet Undergraf SV, Unit Co. Verbiling-Authoritisety III, yet Terest III, yet III,		
Veloty AutoChristics Just Timer Timer AutoChristics Just Timer Timer AutoChristics Just Timer Timer AutoChristics Just Timer AutoChrisitics Just Timer AutoChristics Just Timer AutoChristics		16.6000004
VerDign_Absocinetings_M_abs_Timer_Ins_uss_2 VerDign_Absocineting_M_abs_Timer_Ins_uss_2 VerDign_		86.0999985
VADDA, MACKONHSBOD, M. & Thimsel, m. By. 122 5822222 VARIDA, MACKONHSBOD, M. & Thimselvestist ISV, Julius gas V. Julius, 122 14504 40002 VARIDA, MACKONHSBOD, M. & The Relievestist ISV, Julius gas V. Julius, 122 14504 40002 VARIDA, MACKONHSBOD, M. & The Relievestist ISV, Julius gas V. Julius, 122 14504 40002 VARIDA, MACKONHSBOD, M. & The Relievestist ISV, Julius gas W. Julius, 122 14504 40002 VARIDA, MACKONHSBOD, M. & Thimselford ISSV, Julius gas W. Julius, 122 14504 40002 VARIDA, MACKONHSBOD, M. & Thimselford ISSV, Julius gas W. Julius, 122 10 VARIDA, MACKONHSBOD, M. & Thimselford Issue, 102 1 VARIDA, MACKONHSBOD, M. & Thimselford, 102 1	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VARIDAD AND CONTRIGED M. M. STANDARD TOST JUNE 102 VARIDAD AND CONTRIGED M. STANDARD M. STANDARD CONTRIGED M. STANDARD M. STANDARD CONTRIGED M. STANDARD M. STANDARD M. STANDARD CONTRIGED M. STANDARD M. STANDARD CONTRIGED M. STANDARD M. STANDA	VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
ValDyn, Ausconitristigod, M. at Pathwise Path Vylan (1922 v. 1149). 400002 VanDyn, Ausconitristigod, M. at Pathwise Path Vylanding, and Vylan, 1922 v. 1149). 400002 VanDyn, Ausconitristigod, M. at Pathwise Pathwise Vylanding, and Vylanding, 1920 v. 1149, 400002 VanDyn, Ausconitristigod, M. at Pathwise Pathwise Crit. Igo 0 VanDyn, Ausconitristigod, M. at Pathwise Pathwise Crit. Igo 0 VanDyn, Ausconitristigod, M. at Pathwise Pathwise Crit. Igo 0 VanDyn, Ausconitristigod, M. at Pathwise Pathwise Crit. Igo 0 VanDyn, Ausconitristigod, M. at Pathwise Pathwise Crit. Igo 0 VanDyn, Ausconitristigod, M. at Pathwise Pathwise Crit. Igo 0 VanDyn, Ausconitristigod, M. at Pathwise Pathwise Pathwise Crit. Igo 0 VanDyn, Ausconitristigod, M. at Pathwise Pat	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VenDup_AusContribige_M_st	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VARDAM ARCOMENSOEM, M. as Pitter Printing W. Horbeg, ast X. U. is. 192 VARDAM ARCOMENSOEM, M. as Pitter Printing C. M. igo VARDAM ARCOMENSOEM, M. as Pitter Printing C. M. igo VARDAM ARCOMENSOEM, M. as Pitter Printing C. M. igo VARDAM ARCOMENSOEM, M. as Pitter Printing C. M. igo VARDAM ARCOMENSOEM, M. as Pitter Printing C. M. igo VARDAM ARCOMENSOEM, M. as VARDAM igo M. igo VARDAM ARCOMENSOEM, M. igo	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
Vicinity AutoChitisSed M. at Filter Entente Critique	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
Verbirp, Ausconffeliged, M. at FilterStreams, Critigs: Verbirp, Ausconffeliged, M. at FilterStream, St. (16) Verbirp, Ausconffeliged, M. at FilterStream, St. (17) Verbirp, Ausconffeliged, M. at FilterStreams, Critigge Verbirp, Macrostreams, M. at St. (18) Verbirp, Macrostreams, M. at St. (18) Verbirp, Macrostreams, Verbirp, M. at Verbirp, M. at Verbirp, M. at Verbirp, M. a	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
Verbity-, Auscinitisept M. art Piller Tiller (1962)		
VerDiny, AutScorth Spd, M. spritter Initiatized Crt. Up VerDiny, National Crt. AutScorth Spd, M. spritter Initiatized Crt. Up VerDiny, National Crt. M. Up V		1
ValDyn AutoContisor M. yet Niver Valterians S12		
VebDyn, AutoContacSept M, Mar Moreily Mr. 122 412 70012 VebDyn, AutoContacSept M, Sar Fillming Howth, 122 10 1000004 VebDyn, AutoContacSept M, Sar Fillming Howth, 122 10 1000004 VebDyn, AutoContacSept M, Sar Timer Threat, mS, 116 1332 VebDyn, AutoContacSept M, Sar Timer Threat, mS, 116 1442 VebDyn, AutoContacSept M, Sar Timer L, mS, 118 1442 VebDyn, AutoContacSept M, Sar Timer L, mS, 118 1442 VebDyn, AutoContacSept M, Sar Timer L, mS, 118 1442 VebDyn, AutoContacSept M, Sar ReinHore Timer J, McDeg, str. SV, Us, 122 1458 40002 VebDyn, AutoContacSept M, Sar ReinHore Timer S, McDeg, str. SV, Us, 122 1458 40002 VebDyn, AutoContacSept M, Sar ReinHore Timer S, McDeg, str. SV, Us, 122 1458 40002 VebDyn, AutoContacSept M, Sar ReinHore Times C, mt Ige 0 VebDyn, AutoContacSept M, Sar ReinHore Times C, mt Ige 0 VebDyn, AutoContacSept M, Sar Filler Times C, mt Ige 0 VebDyn, AutoContacSept M, Sar Filler Times C, mt Ige 0 VebDyn, AutoContacSept M, Sar Filler Times C, mt Ige 0 VebDyn, AutoContacSept M, Sar Filler Times C, mt Ige 0 VebDyn, AutoContacSept M, Sar Filler Times C, mt Ige 0		
VARDIN, AUSCINITLOSEO, M. J. FILIPENT, INVENTIG 10.1000004 VARDIN, AUSCINITLOSEO, M. J. STIMENT, INVENTIG 10.1000004 VARDIN, AUSCINITLOSEO, M. J. STIMENT, INVENTIG 133322 VARDIN, AUSCINITLOSEO, M. J. STIMENT, INVENTIGAN, INVENTIGATION 133422 VARDIN, AUSCINITLOSEO, M. J. STIMENT, INVENTIGAN, INVENTIGATION 1442 VARDIN, AUSCINITLOSEO, M. J. STIMENT, INVENTIGATION,	·	
VehDry, AusContis Sed M. str. Filminite, Hwhin, fize 10.00004 VehDry, AusContis Sed M. str. Timer Threet, m.S. u16 12.899998 VehDry, AusContis Sed M. str. Timer Threet, m.S. u16 1442 VehDry, AusContis Sed M. str. Timer Time Ling Su2 1024 VehDry, AusContis Sed M. str. Timer Time Ling Su2 1024 VehDry, AusContis Sed M. str. Str. West Su2 14823022 VehDry, AusContis Sed M. str. Str. West Su2 Su2 148240002 VehDry, AusContis Sed M. str. Str. West Su2 Su2 148240002 VehDry, AusContis Sed M. str. Str. West Su2 Su2 Su2 148240002 VehDry, AusContis Sed M. str. Str. West Su2 Su2 Su2 148240002 VehDry, AusContis Sed M. str. Str. Str. Str. Str. Str. Str. Str. S		
VPOIDYD, AutConft LSSpd. M. Str Driver Threeth, m.S. J16 1332 VPOIDY, AutConft LSSpd. M. str Timer 2 Threeth, m.S. J16 1442 VPOIDY, AutConft LSSpd. M. str Timer 1 m.S. J16 1442 VPOIDY, AutConft LSSpd. M. str Timer 1 m.S. J16 1424 VPOIDY, AutConft LSSpd. M. str Rethrose Filt SV, HwDeg, str SV, Uls, D2 1454 40002 VPOIDY, AutConft LSSpd. M. str Rethrose Filt SV, HwDeg, str SV, Uls, D2 1454 40002 VPOIDY, AutConft LSSpd. M. str Rethrose Filt SV, HwDeg, str SV, Uls, D2 1454 40002 VPOIDY, AutConft LSSpd. M. str Rethrose Filt SV, HwDeg, str SV, Uls, D2 1454 40002 VPOIDY, AutConft LSSpd. M. str Filer Enable, Cnt. Ug 0 VPOIDY, AutConft LSSpd. M. str Filer Enable, Cnt. Ug 0 VPOIDY, AutConft LSSpd. M. str Filer Enables Cnt. Ug 0 VPOIDY, AutConft LSSpd. M. str Filer Enables Cnt. Ug 0 VPOIDY, Forescenter Collect HwDeg, M. D2 1148998 VPOIDY, Forescenter Collect HwDeg, M. D2 10 VPOIDY, MINOREE, HwDeg, M. D3 1 VPOIDY, MINOREE, HwDeg, M. D3 12 VPOIDY, MINOREE, HwDeg, M. D3 4289 75 VPOIDY, STORE W. B. str SV, Uls, D3 15 VPOIDY, MINOREE, HwDeg, M. D3 4289	· - · · - · - · - · - · - · - · - · - ·	
VerDyn_AusContioSpd_Mst_Timert Threat_mS_u16		
VerbDyn_AutoCntrLoSpd_M_str_Timer2_mS_u32		
VerDyn_AutOchtruSopd_M_str_Timer1_mS_u32		
VehDyn, AutoCnitut.Spid, M., str. RiehlanPosiFittSV, HwDeg, str. SV, Uls, T32 4459-40002 VehDyn, AutoCnitut.Spid, M., str. RiehlanPosiFittSV, HwDeg, str. SV, Uls, T32 7.580000244-005 VehDyn, AutoCnitut.Spid, M., str. ReihlanPosiFittSV, HwDeg, str. SV, Uls, T32 1459-40002 VehDyn, AutoCnitut.Spid, M., str. ReihlanPosiFittSV, HwDeg, str. SV, Uls, T32 000968199991 VehDyn, AutoCnitut.Spid, M., str. Fitter Initialized, Cnt. Uge 0 VehDyn, AutoCnitut.Spid, M., str. Fitter Initialized, Cnt. Uge 0 VehDyn, AutoCnitut.Spid, M., str. Fitter Initialized, Cnt. Uge 0 VehDyn, AutoCnitut.Spid, M., str. Fitter Initialized, Cnt. Uge 0 VehDyn, ForceCenterCnitutSpid, M., str. Fitter Initialized, Cnt. M. Ige 0 VehDyn, ForceCenterCnitutSpid, M., str. Fitter Initialized, Cnt. M. Ige 1 VehDyn, InStaltz, Cnt. M. Ige 1 VehDyn, InStaltz, Cnt. M. Ige 0 VehDyn, InStaltz, Cnt. M. Ige 0 VehDyn, MinOffset, HwDeg, M. Ige 1 VehDyn, Str. Will, Str. X. Uls, T32 0.000483999999 VehDyn, Str. Will, M. Ist. X. Uls, T32 0.000483999999 VehDyn, Str. Will, M. Ist. X. Uls, T32 0.000483999999 VehDyn, Str. Will, M. Ist. X. Uls, T32 0.000		
VehDyn_AutoChtLoSpd_M_str_ReihwFosFill1SV_HvDeg_str_K_UIs_f32 748940002 VehDyn_AutoChtLoSpd_M_str_ReihwFosFill2SV_HvDeg_str_K_UIs_f32 758900024 VehDyn_AutoChtLoSpd_M_str_ReihwFosFill2SV_HvDeg_str_K_UIs_f32 0.000981999991 VehDyn_AutoChtLoSpd_M_str_ReihwFosFill2SV_HvDeg_str_K_UIs_f32 0.000981999991 VehDyn_AutoChtLoSpd_M_str_ReiherWFosFill2SV_HvDeg_str_K_UIs_f32 0.000981999991 VehDyn_AutoChtLoSpd_M_str_ReiherZeinBillared_Cht_Ige 0.000981999991 VehDyn_AutoChtLoSpd_M_str_ReiherZeinBillared_Cht_Ige 0.000981999981 VehDyn_AutoChtLoSpd_M_str_ReiherZeinBillared_Cht_Ige 0.000981999981 VehDyn_ForeCenterChesDated_Cht_M_Ige 0.000981999981 VehDyn_ForeCenterChesDated_Cht_M_Ige 0.000981999981 VehDyn_ForeCenterChesDated_Cht_M_Ige 0.000981999981 VehDyn_ForeCenterChesDated_Cht_M_Ige 0.000981999981 VehDyn_ForeCenterChesDated_Cht_M_Ige 0.000981999981 VehDyn_ForeCenterChesDated_Cht_M_Ige 0.000981999981 VehDyn_ForeCenterChtSpd_M_Ige_Cht_M_Ig		
VehDyn_AutoCnttLoSpd_M_str_RethwPosPittSV_HNDeg_str_KV_Us_f32	·	
VerbDyn_AutoCnttLoSpd_M_str_RelHwPosFill2SV_HwDeg_str_K_Ulls_r32		
VerbDyn_AutoCnitLoSpd_M_str_Riller1Enable_Cnt_lgc	· - · - · · · · - · - · -	
VehDyn_AutoCnitLoSpd_M_str_FilterEnable_Cnt_lgc		
VehDyn_AutoCnitLoSpd_M_str_Filter/Enable_Cnt_lgc	· - · - · · · · - · - · -	
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VehDyn_ForceCenterOffset_HwDeg_M_[32] -101.489998 VehDyn_HiSpdLeamt_Cnt_M_Ige 1 VehDyn_LoSpdLeamt_Cnt_M_Ige 0 VehDyn_MaxOffset_HwDeg_M_132 -1239.75 VehDyn_MaxOffset_HwDeg_M_132 -1239.75 VehDyn_Microst_HwDeg_M_132 -899.030029 VehDyn_PinTrqSV_M_str.SV_UIs_[32] 1.5 VehDyn_PinTrqSV_M_str.K_UIs_[32] 0.000433999989 VehDyn_SLPHwPos_HwDeg_M_132 0.000433999999 VehDyn_SLPHwPos_HwDeg_M_132 4243378688 VehDyn_SHirkwBydrfirmer_mS_M_u32 4243378688 K_HSdydDaxIntorty_UIs_132 0.899999976 K_HSdydDaxIntorty_UIS_132 1 K_LOSpdVDaxIntorty_UIS_132 1 K_JOSpdVDaxIntorty_UIS_132 1 K_JSWSMRatio_MtPDepHwDeg_132 6.32000017 K_JSWSMRatio_MtPDepHwDeg_132 6.32000015 K_TravetXCDeadband_UIS_132 6.32000005 K_TravetXCDeadband_UIS_132 6.32000015 K_TravetXCDeadband_UIS_132 6.32000015 K_TravetXCDeadband_UIS_132 6.32000015 K_TravetXCDeadband_UIS_132 6.32000015 Larget_Le_Lost_A_D_VehDyn_	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
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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_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_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
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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_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_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_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_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_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_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
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_VehicleSpeedValid_Cnt_lgc 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_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_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_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_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
$target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc \\ target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc \\$	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 An VehDyn VehDyn Per1 VehicleSpeed Knh f32		
august was marked to the state of the state	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32





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	~
target VehDvn Per1 SensorlessAuthority Ills f32 value	0.80000076	0.80000076 + 0.004	

T				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

2015-09-15, 13:22:52+0530



Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 92 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 92 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 92 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 92 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 92 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 92 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 93 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 93 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 93 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 93 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 93 (1997) Verolly, Autochneide, by L. Britanskowski, Velocy and V. D. 93 (1997) Verolly, Autochneide, by L. Britanskowski, V. D. 94 (1997) Verolly, Autochneide, by L. Britanskowski, V. D. 94 (1997) Verolly, Autochneide, by L. Britanskowski, V. D. 94 (1997) Verolly, Autochneide, by L. Britanskowski, V. D. 94 (1997) Verolly, Autochneide, by L. Britanskowski, V. D. 1950, and V. D. 1952 Verolly, Autochneide, by L. Britanskowski, V. D. 1952 Ver		
Verbory Auto-Chested M. de Chest-Part State V. Hobe, as M. Verbory Auto-Chested M. de Chest-Part State V. Hobe, as M. Verbory Auto-Chested M. de Chest-Part State V. Hobe, as M. Verbory Auto-Chested M. de Chest-Part State V. Hobe, as M. Verbory Auto-Chested M. de Chest-Part State V. Hobe, as M. Verbory Auto-Chested M. de Chest-Part State V. Hobe, as M. Verbory Auto-Chested M. de Chest-Part State V. Hobe, as M. Verbory Auto-Chested M. de Chested V. Hobe, as M. Verbory Auto-Chested M. de Cheste	Name	Input Value
Verloy, Nuclearing M. de Pelentralisation (1992) (1906) per SV Us. 02 (2007) (1906) (1	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
Verbilly Autochardes M. et Referencia Cut 192 verbilly Autochardes M. e	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000847999996
Verbilly Autochardes M. et Referencia Cut 192 verbilly Autochardes M. e	VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	267.709991
Verbyn, Auschnicksjon II, ver Fierlinants Crit Jo Verbyn, Auschnicksjon III, ver Fierlinants Crit Jo Verbyn, Auschnicksjon III, ver Fierlinants Crit Jo Verbyn, Auschnicksjon III, ver Fierlinants III, ver Fierlinants III, verbyn, Auschnicksjon III, ver Fierlinants III, verbyn, Auschnicksjon III, ver Fierlinants III, verbyn, Auschnicksjon III, ver Fierlinants		0.000847999996
Verby, Ausborbelege M. Ser Reinfacks Crit go 1 Verby, Ausborbelege M. Ser Ve	·	
VenDyn_Audorinatesiqu M_ser Elevationatesic Design venDyn_Audorinatesiqu M_ser Elevationatesiq Design venDyn_Audorinatesiqu M_ser Elevationatesique 1 18 venDyn_Audorinatesique M_ser Venderinatesique 2 186 venDyn_Audorinatesique M_ser Venderinatesique 3 186 venDyn_Audorinatesique M_ser Venderinatesique 3 186 venDyn_Audorinatesique M_ser Venderinatesique 3 187 venDyn_Audorinatesique M_ser Venderinatesique 4 187 venDyn_Audorinatesique M_ser Venderinatesique 4 187 venderinatesique M_ser Venderinatesique 4 187 venderinatesique M_ser Venderinatesique 5 187 venderinatesique 6 1		
Verboyn Auschartschaft M. st. Prieschaltschaft Crit. go. 196 Verboyn Auschartschaft M. st. Verboyn Lange Chartschaft July 102 156 Verboyn Auschartschaft M. st. Verboyn Lange Chartschaft July 102 156 Verboyn Auschartschaft M. st. Prieschaft Inn. 63 10 Verboyn Auschartschaft M. st. Prieschaft Inn. 63 10 Verboyn Auschartschaft July 107 Inn. 71 107 107 107 107 107 107 107 107 107		
VenDys, Auschreise, M. att Helphane, M. att Helphane, S. 12 VenDys, Auschreise, M. att Helphane, M. att Help		
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VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
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k_SriHwAgVldTiThd_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_CetSystemTime_mS_u32_CurrentTime 2659241984 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi 1736795392 target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 1050692864 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_WhVm_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_Dept_f32 target_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_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_NehDyn_Per1_SensorlessAuthority_Uls_f32 target_NehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	k_HwTqMgnThd_HwNm_f32	
k_SysKinRatio_MtrDegpHwDeg_f32	k_LoSpdVDAuthority_Uls_f32	1
k_TravelXCDeadband_Uls_f32	k_SrlHwAgVldTiThd_mS_u32	1385
k_TravelXCDeadband_Uls_f32	k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCHwAuthority_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_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_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_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_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32	k_TravelXCDeadband_Uls_f32	67.2399979
target_DtrmnElapsedTime mS_u32_ElapsedTime 2269150976 target_GetSystemTime_mS_u32_CurrentTime 2659241984 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2756795392 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 275692844 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 275692864 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 275692864 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 275692864 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 275692864 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 275692864 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 27692864 target_VehDyn_Per1_CwEOT_HwDeg_f32 27692864 target_VehDyn_Per1_Wrorque_HwNm_f32 27692864 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 4769286686 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 4769286686 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 47692866 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 47692866 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 47692866 target_VehDy	k TravelXCHwAuthority Uls f32	
target_GetSystemTime_nS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Linst_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_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_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_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Linst_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_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_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_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_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_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_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn.VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn.VehDyn.VehDyn.VehDyn.Per1_RelHwPos_HwDeg_f32 target_VehDyn.VehDyn.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.VehDyn.VehDyn.Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn.Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn.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_VehDyn.Per1_SrlHwAgVld_Cnt_lgc target_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_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_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_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_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_SrlHwAgVId_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_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_SrlHwAgVId_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_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_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_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_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_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_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_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_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_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_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_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_kte_inst_Ap_venDyn_venDyn_Per1_TorqueCmdCkr_MtrNm_t32 target_VehDyn_Per1_TorqueCmdCkr_MtrNm_t32		
	target_inte_inist_Ap_veribyii.veribyii_Peri_TorqueCmdCRF_Mtnnm_t32	target_venDyn_ren_norqueoniuoRr_iMttNtn_i32





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Name	Input Value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	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	-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	•
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_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	~

Τ				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
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
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	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	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	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	1.70000005
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	7.53999998-005
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_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrl_oSpd_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 lqc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.09998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	868.357971
VehDyn_MinOffset_HwDeg_M_f32	-770.754028
VehDyn_PinTrqSV_M_str.SV_UIs_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	3039943680
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	96.3000031
k_TravelXCDeadband_Uls_f32	66.2099991
k_TraveIXCHwAuthority_UIs_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_bt. Line College Line College	
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_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_ois_132 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
goro_mor_rp_vonDyn_vonDyn_i or _ommw/gvid_ont_ige	angue, sand free or Louis and And Louis lake





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_TorqueCm	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_VehicleSpe	eed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-812.150024	-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	✓	
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	✓	

Τ				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	~

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

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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.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
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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.SV_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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_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_AutoCntrHiSpd_M_str.WitrVel_MtrRadpS_f32 1 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 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.Timer2Thresh_mS_u16 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.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_AutoCntrHopd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	-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 0.000639999984 -627.179993 0.000639999984 0.000272000005 0 0 0
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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_Uls_f32 6 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 6 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 6 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 7 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_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 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_	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_lg	С		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f3	32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	trNm_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	-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 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	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	1312298240	1312298240	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004		
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-627.179993	-627.179993 ± 0.1	_	
target_veribyn_rent_octroonessriwr os_riwbeg_loz.value	021.110000	021.170000 ± 0.1		

Т				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 VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	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
	0.30000012
	5.25
_ ' '= -	701
	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





Name	Input Value				
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_F	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_Sensorless	target_VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorless	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgV	d_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_l	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_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	-799.630005				
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_Igc.value	1				
target VehDyn Per1 VehicleSpeed Kph f32.value	126.220001				
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	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			
·	1024	1024			
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-177.479996				
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		-177.479996 ± 0.0009			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996 0	-177.479996 ± 0.0009			
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc		1			
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	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_LoSpdLearnt_Cnt_M_lgc	1	1	✓		
VehDyn_MaxOffset_HwDeg_M_f32	878.34198	878.34198	~		
VehDyn_MinOffset_HwDeg_M_f32	-622.150024	-622.150024	<u> </u>		
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	✓		

Τ				✓
Actual Function	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 2.229 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime

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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	44.4000015
/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.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

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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	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	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		
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	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cn	ıt_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	-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_SrlHwAgVld_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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.98999		
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	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	•
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	-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_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	1399.80505	1399.80505	~
Venbyn_waxonset_nwbeg_w_isz			✓
VehDyn_MinOffset_HwDeg_M_f32	-793.369995	-793.369995	
	-793.369995 7.59961939	-793.369995 7.59961939 ± 0.000009	~
VehDyn_MinOffset_HwDeg_M_f32			~
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59961939	7.59961939 ± 0.000009	~

Т				✓
Actual Function	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	6.0999999
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
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196
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 0.000284000009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0
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 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	86.199969
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	110.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
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	1000.12
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_SrlHwAgVldTiThd_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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTim$	1662097408		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	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	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_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	-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.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	~
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	110.5	110.5 ± 0.0009	Y
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	V
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	-
VehDyn_MaxOffset_HwDeg_M_f32	1394.23596	1394.23596	V
VehDyn_MinOffset_HwDeg_M_f32	-787.109985	-787.109985	V
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50222075 2728878080	1.50222075 ± 0.000009	V
VehDyn_SrlHwAgVldTimer_mS_M_u32		2728878080	✓
toward Mala David Consenders Authority 111 (CC)			
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0.675000012 -1490.51001	0.675000012 ± 0.004 -1490.51001 ± 0.1	y

Τ				
Actual Function	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 2.231 (Repeat Count = 1)	Innut Value
ame	Input Value
htrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
tetSystemTime_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
te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_inst_Ap_VehDyn ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_Rte_Inst_Ap_VehDyn 1
	100.300003
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	186.300003 14.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	86.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
ehDyn_AutoCntrDetSpd_M_str.TimerTTHrestr_mS_u16	53946
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
ehDyn_AutoCntrDetSpd_M_str.Timer1_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.FiltPinTrg 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
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00028800001
/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	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
ehDyn_SLPHwPos_HwDeg_M_f32	-511.850006
/ehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
_HiSpdVDAuthority_Uls_f32	1
_HwTqMgnThd_HwNm_f32	6.5
_LoSpdVDAuthority_UIs_f32	0
SrlHwAgVldTiThd mS u32	9000





Name	Input Value			
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985			
k_TravelXCDeadband_Uls_f32	61.0600014			
k_TravelXCHwAuthority_Uls_f32	0.144024998			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	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			
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_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_L			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32		arget_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	arget_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	arget_VenDyn_Per1_TorqueCmdCRF_MtrNm_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	-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	4.9000001			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.769989			
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	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_lgc	0	0		· ·
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886 49.4199982	2138628886 49.4199982 ± 0.00009		-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	49.4199982 ± 0.00009		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0		J
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	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.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		•
	I.	1		✓
VehDyn_Initialize_Cnt_M_lgc	1	'		
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0		•
				•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0		~
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 893.317993	0 893.317993		~
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	0 893.317993 -737.333984 -1.59626269 824746752	0 893.317993 -737.333984 -1.59626257 ± 0.000009 824746752		•
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 893.317993 -737.333984 -1.59626269	0 893.317993 -737.333984 -1.59626257 ± 0.000009		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \



T				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 2.232 (Repeat Count = 1)	Innuit 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	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	7.099999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.599985
/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.Timer1_m3_u32	2760420809
	-1397.33997
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
/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_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	236.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.4000015
/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	-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_Igc	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 309385728		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32	0		
k HwTgMgnThd HwNm f32	0.00120000006		
k LoSpdVDAuthority Uls 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_ElapsedTi	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	/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	-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	0 339.730011		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value 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 Igc	0	0	resuit
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2430672128	2430672128	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	Ĵ
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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32		2553156835 2760420809	~
	2553156835		~
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 2760420809 -1397.33997 -1397.33997	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 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	2553156835 2760420809 -1397.33997 -1397.33997	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 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 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	2553156835 2760420809 -1397.33997 -1397.33997 1	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 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	2553156835 2760420809 -1397.33997 -1397.33997 1 0	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0	0
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 2760420809 -1397.33997 -1397.33997 1 0 0	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0	~
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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	2553156835 2760420809 -1397.33997 -1397.33997 1 0 0	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 0	\(\frac{1}{2}\)
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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	2553156835 2760420809 -1397.33997 -1397.33997 1 0 0 1	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	2553156835 2760420809 -1397.33997 -1397.33997 1 0 0 1 1 1	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 0 1 1 1	\(\frac{1}{2}\)
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 VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	2553156835 2760420809 -1397.33997 -1397.33997 1 0 0 1 1 1 1 1 -2840	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 0 1 1 1 1 1 -2840	0
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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	2553156835 2760420809 -1397.33997 -1397.33997 1 0 0 1 1 1	2760420809 -1397.33997 ± 0.009 -1397.33997 ± 0.009 1 0 0 1 1 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	✓

T				✓
Actual Function	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	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_Igc	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	U	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_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.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	
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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 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	

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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	✓

T				✓
Actual Function	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	200.399994
ehDyn_AutoCntrDetSpd_w_str.Wilver_Mitradps_132	52.4000015
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.399996
ehDyn_AutoCntrDetSpd_w_str.Fitr#rinq_nwini_132	63.4000015
, - , - , -	53970
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
, =	
hDyn_AutoCotrDetSpd_M_str.Timer1_mS_u32	1024 54822322
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991 -714.090027
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
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	159
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
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	412.700012
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.699997
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.6999998
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
hDyn_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

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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	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1172.87		
VehDyn_MinOffset_HwDeg_M_f32	-363.029999 4.5		
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	1.5 0.000483999989		
VehDyn_SLPHwAuth_Uls_M_f32	0.000463999969		
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991		
VehDyn SrlHwAgVldTimer mS M u32	62266624		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_UIs_f32	0.89999976		
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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	Гі 1050692864		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTim$	e 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	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	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_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 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1.11000001 -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	-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	Result
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	2269150976	2269150976	•
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	2269150976	2269150976	•
Valabora AutoOntal aCod Marta Tirana Carol 100	1	54822322	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027 -714.090027	-714.090027 ± 0.0009 -714.090027 ± 0.0009	•
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	-714.090027 -714.090027 0	-714.090027 ± 0.0009 -714.090027 ± 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	-714.090027 -714.090027 0	-714.090027 ± 0.0009 -714.090027 ± 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	-714.090027 -714.090027 0	-714.090027 ± 0.0009 -714.090027 ± 0.0009 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	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	622666624	622666624	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

T				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	~

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 ElapsedTim
te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime
te Inst Ap VehDyn	target_rite_cair_xp_veribyir_system rime_detsystem rime_ins_usz_current rime
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AllownispuAutoCntt_Cnt_M_ige /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.099985
enbyn_AutoCntrDetSpd_m_str.venspd_kpn_is2 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
ehDyn_AutoCntrDetSpd_M_str.FiltPiffTrq_mwnin_i32	4.0999999
7 - 7	
/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 Igc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	456.799988
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	86.8000031
/ehDyn AutoCntrLoSpd M str.FiltPinTrg 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.Timer2+mesit_ms_u+o	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

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VehDyn_Per1



venDyn_Per1			MACILL	10
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_Uls_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			
<_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			
arget_GetSystemTime_mS_u32_CurrentTime	3533260288			
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			
arget_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_			
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_Mtrl	_		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C			
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32		
rarget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-424.029999			
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1071.23401			
arget_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			
arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1			
arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1200.09998			
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995			
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001	1		
Name	Actual Value	Expected Value	F	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0		
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656		
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631		
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009		
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009		
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
/ehDyn_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		
VahDun AutoCatal liCad Mata Filtert Initialized Cat. Inc.	0	0		

0

4004004656

4211268631

110.5

110.5

0

4004004656

4211268631

110.5 ± 0.0009

110.5 ± 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	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_Uls_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	✓

T				✓
Actual Function	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	~

Гest Step 2.236 (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	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	-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 Igc	0
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	566.799988
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	75.5
ehDyn AutoCntrHiSpd M str.FiltPinTrg 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.Sv_ois_i32	0.00511999999
	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 566,900024
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
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

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

2015-09-15, 13:22:52+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_UIs_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	✓

Τ				✓
Actual Function	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 Igc	0
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	200.300003
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	52.2999992
ehDyn AutoCntrDetSpd M str.FiltPinTrg 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 Igc	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
ehDyn AutoCntrLoSpd M str.Timer2Thresh 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	-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		
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	1596.97998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	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_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_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	5.0999999		
k_LoSpdVDAuthority_Uls_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		
target_GetSystemTime_mS_u32_CurrentTime	3437401088		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mSu32_Ela$			
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_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_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_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	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		
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		
Name	Actual Value	Expected Value	Result
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_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_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	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~





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	~

Τ				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	✓

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
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	457.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.0999985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
/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 Igc	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.FiltPinTrg 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	53.599985
/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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1259.78003 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 Igc	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		
VehDyn_SLPHwPos_HwDeg_M_f32	103.75		
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Llls_f32	1095910784		
k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32	6.099999		
k_nwiqingnina_nwnin_isz 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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	954802432		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	3494315776		
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_SrlHwAgVId_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	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		
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_lgc.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	1	1	*
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
Valence AutoCateDatOct Mark File Children	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0404045770		V
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 1259.78003	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	1024 1259.78003 1259.78003	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	1024 1259.78003 1259.78003 0	1024 1259.78003 ± 0.009 1259.78003 ± 0.009 0	<i>y</i>
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	1024 1259.78003 1259.78003	1024 1259.78003 ± 0.009 1259.78003 ± 0.009	~





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	~

T				✓
Actual Function	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	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	86.1999969
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	18.2000008
'ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	3.20000005
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	85.199969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7778
'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	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
ehDyn 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	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	-1000.67999		
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	399.109985		
VehDyn MinOffset HwDeg M f32	-1399.05005		
VehDyn_PinTrqSV_M_str.SV_UIs_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_Uls_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		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_Elapsed$	dTi 2728878080		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTime_$	me 463842816		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3	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_MtrR	RadpS_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		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_	_HwDegf32	
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_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	-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 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1527.58997		
target_VenDyn_Per1_SnHwAg_HwDeg_r3z.value target_VenDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002		
	0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.0400009		
Name	Actual Value	Exposted Value	Dagui
	1	Expected Value	Resu
VehDyn_AltoCatrDetSnd_M_str_Timerd_mS_u32	1 2345892860	2345892860	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 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	267.709991 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Eriable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1mittalized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816	463842816	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_us2 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_us2	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	
. ,			1

267.709991

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

267.709991 ± 0.0009

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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	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	•

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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 VohDvo 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	

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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	~

Т				✓
Actual Function	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



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	0		
	98.8000031		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32			
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	4004004656		
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 Igc	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	409.093994		
VehDyn_MinOffset_HwDeg_M_f32	-1385.68201		
VehDyn_PinTrqSV_M_str.SV_UIs_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_UIs_f32	0.278719991		
k_HwTqMgnThd_HwNm_f32	5.4000001		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	16445		
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992		
k_TravelXCDeadband_Uls_f32	12.7700005		
k_TravelXCHwAuthority_Uls_f32	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			
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_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32			
V =	target_VehDyn_Per1_SrlHwAg_HwDeg_f32	m 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_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	-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		
	0		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value			
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	1	-
		2760420809	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809		
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	~
Valabour AutoOutoDatOut MataElitantEnable Out Inc	0	0	

0

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc$

VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_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	~

T				✓
Actual Function	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 2.242 (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	290.100006
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2000008
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	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
hDyn_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
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	341
hDyn_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
ehDyn_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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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_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.099985		
VehDyn_AutoCotrl oSpd_M_str.VehSpd_kph_f32	136.100006 1.29999995		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.0999985		
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	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_SrlHwAgVIdTimer_mS_M_u32	2127166208		
k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32	0.0500000007		
k_LoSpdVDAuthority_Uls_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_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_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_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	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_SrlHwAg.Vld_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_Igc.value	99.9899979		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		Exposted Value	Doords
Name VohDun AllowHiSodAutoCotr Cot M Ico	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	292750110	-4
VehDyn_AutoCotrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	*
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2760420809 1146.91003	2760420809 1146.91003 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	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_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	✓

T				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 Rte_Call_AD_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(Elapsed GetSystemTime_mS_u32	1 Time) 1	Autocenter f32 target Rte Call Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedGetSystemTime_mS_u32	1 Time 1	*
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.243 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
К	target_K

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VehDyn_Per1



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.Filter1Initialized_Cnt_lgc	1		
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	66.0999985		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.199969		
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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-177.479996 2.85999995e-005		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt/SV_HwDeg_str.R_0is_i32	-177.479996		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000668000022		
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	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	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	414.085999		
VehDyn_MinOffset HwDeg M f32	-1378.99805		
VehDyn_PinTrqSV_M_str.SV_UIs_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 k_SysKinRatio_MtrDegpHwDeg_f32	41.5		
k TravelXCDeadband Uls f32	14.21		
k TravelXCHwAuthority Uls f32	0.0264250003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
target_GetSystemTime_mS_u32_CurrentTime	3304439296		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_Elaps$	edTi 2659241984		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTi	me 1050692864		
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_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_venDyn_Per1_MotorveiCRF_MtrRa 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	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgo		
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	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_t	32	
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 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	8.85000038 -759.549988		
target_venDyn_Per1_motorveiCRF_intrRadpS_132.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-177.479988		
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	

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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	✓

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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	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	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	✓

T				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	Result
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_Uls_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	•

Т				✓
Actual Function	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_Igc	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

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Name Verbildy Ausbrüchseid M. ser Finer Echsels Ch. 150 Verbildy Ausbrüchseid M. 150 Verbildy A		
Valtops_Assiontenseq_Lise_an Parallamation Carlige 1 Valtops_Assiontenseq_Lise_an November_Lise_and 81 1000000 Valtops_Assiontenseq_Lise_and_valtops_DSS 85 1000000 Valtops_Assiontenseq_Lise_and_valtops_DSS 100 Valtops_Assiontenseq_Lise_and_valtops_DSS 50 0000000 Valtops_Assiontenseq_Lise_and_valtops_DSS 50 000000 Valtops_Assiontenseq_Lise_and_valtops_DSS 200 000000 Valtops_Assiontenseq_Lise_and_valtops_DSS 200 0000000 Valtops_Assiontenseq_Lise_and_valtops_DSS 200 00000000000000 Valtops_Assiontenseq_Lise_and_valtops_DSS_DSS_DSS_DSS_DSS_DSS_DSS_DSS_DSS_DS	Name	Input Value
Velicy Autochesis M. strikenished Dr. to 1999 Velicy Autochesis M. strikenished Dr. to 1999 Velicy Autochesis M. strikenished July 125 Velicy Autoch	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
Veoling Auscherising M. gar Veoling 1927 106 106 100 1	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VeoDrop, Ausconicided, M. et Pubrich, 1946; 1959 VeoDrop, Ausconicided, M. et Pubrich, 1946; 1925 VeoDrop, Ausconicided, M. et Turch Tribus, 1951 VeoDrop, Ausconicided, M. et Turch Tribus, 1951 VeoDrop, Ausconicided, M. et Turch Tribus, 1951 VeoDrop, Ausconicided, M. et Turch Tribus, 1952 VeoDrop, Ausconicided, M. et Turch Tribus, 1954 VeoDrop, Ausconicided, M. et Turch Tribus,	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
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VerDyn, AutoCirtLoSpd M, str. Filter/2nifialized_Cirt_Mgc	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_ForceCenterCineLinkDeg_M_132 10000998 VehDyn_HSpdCernt_CntLM_lgc 0 VehDyn_LinkBize_Cnt_M_lgc 0 VehDyn_LinkBize_Cnt_M_lgc 0 VehDyn_LospClearn_Cnt_M_lgc 0 VehDyn_LospClearn_Cnt_M_lgc 868.357971 VehDyn_Mortifiee_HwDeg_M_132 868.357971 VehDyn_MincRise_HwDeg_M_152 320000005 VehDyn_PinTrqSV_M_str.KV_Ulls_132 320000005 VehDyn_PinTrqSV_M_str.KV_Ulls_132 0.00042200012 VehDyn_SLPHWath_Ulls_M_132 0.00042200012 VehDyn_SLPHWath_Ulls_M_132 4294967295 VehDyn_SLPHWath_Ulls_M_132 4563.150024 VehDyn_SLPHWath_Ulls_JS2 1 K_LoSpVDAuthority_Ulls_JS2 1 K_LoSpVDAuthority_Ulls_JS2 15 K_LoSpVDAuthority_Ulls_JS2 96.000031 K_TravetXCHwathority_Ulls_JS2 10.17899995 K_TravetXCHwathority_Ulls_JS2 10.17899995 K_TravetXCHwathority_Ulls_JS2 10.17899995 Large_Leg_Call_Ap_VehDyn_SystemTime_Comment_explace_Call_Ap_VehDyn_SystemTime_Comment_explace_Call_Ap_VehDyn_SystemTime_Comment_explace_Call_Ap_VehDyn_Nerpl_Morthory_Pert_CowEOT_HwDeg_JS2 14794UNITHORITY_Pert_C	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn, ForceCenterOffset, HwDeg_M_f32 -1000.09998 VehDyn, HiSpdLeamt, Cnf, M_lgc 0 VehDyn, LoSpdLeamt, Cnf, M_lgc 0 VehDyn, LoSpdLeamt, Cnf, M_lgc 0 VehDyn, Mark Stet, HwDeg, M_f32 888.357971 VehDyn, MinOffset, HwDeg, M_f32 -770.754028 VehDyn, PinTrqSV, M, str K, Ulls, f32 3.20000005 VehDyn, PinTrqSV, M, str K, Ulls, f32 0.000422000012 VehDyn, SLPH-Walth, Ulls, M_f32 0.000422000012 VehDyn, SLPH-Walth, Ulls, M_f32 0.000422000012 VehDyn, SLPH-Walth, Ulls, M_f32 1.00042000012 VehDyn, SLPH-Walth, Ulls, M_f32 1.00042000012 VehDyn, SLPH-Walth, Ulls, M_f32 1.5 VehDyn, SLPH-Walth, M_f42 1.5 VehDyn, SLPH-Walth, M_f42 1.5 VehDyn, SLPH-Walth, M_f42 1.5	VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HISpdLeamL_Crt_M_lgc 0 VehDyn_LoSpdLeamL_Crt_M_lgc 0 VehDyn_LoSpd_LeamL_Crt_M_lgc 0 VehDyn_LoSpd_LeamL_Crt_M_lgc 0 VehDyn_MaxOffset_HwDeg_M_f32 886.357971 VehDyn_MinOffset_HwDeg_M_f32 3770.754028 VehDyn_PinTrqSV_M_strk_Uls_fi32 3.20000005 VehDyn_Strk_Wall_M_LS_M_g2 0.000422000012 VehDyn_SLPHwPos_HwDeg_M_f32 0.000422000012 VehDyn_SLPHwPos_HwDeg_M_f32 4294987295 VehDyn_StrhWallydinter_mS_M_u32 4294987295 K_HSpVDAuthority_Uls_f32 1 L_CospdVOAuthority_Uls_f32 1 L_CospdVOAuthority_Uls_f32 96.3000031 K_SyskinRatio_MitDegpHwDeg_f32 96.3000031 K_TraveIXCDeadand_Uls_f32 62.009991 K_TraveIXCDeadand_Uls_f32 62.009991 K_TraveIXCDeadand_Uls_f32 62.009991 Larget_Ric_Call_AD_vehDyn_SystemTime_GelsystemTime_ms_us_32_ElapsedTime_size_GetEystemTime_ms_us_32_CurrentTime_larget_Ric_Call_AD_vehDyn_SystemTime_GelsystemTime_ms_us_32_ElapsedTime_size_GetEystemTime_Ms_us_2CurrentTime_larget_Ric_larget_Ric_larget_AD_vehDyn_NehDyn_Perl_MolecyCirk_Mritags_f32 target_VehDyn_Perl_CowEOT_HwDeg_f32 target_Ric_larget_Ric_large	VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_Initialize_Crit_Migc 0 VehDyn_LoSpdLeamt_Crit_Migc 0 VehDyn_MontStel_HvDeg_M_132 888.357971 VehDyn_MinOffstel_HvDeg_M_132 .770.754028 VehDyn_PinTrqSV_M_str.K_Uis_132 3.20000005 VehDyn_SLPHwDs_M_str.K_Uis_132 0.0042200012 VehDyn_SLPHwDeg_M_132 0.0042200012 VehDyn_SLPHwDeg_M_132 0.006999993 VehDyn_SLPHwDeg_M_132 4294967295 VehDyn_SLPHwDeg_M_132 1 VehDyn_SLPHwDeg_M_1402 1	VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.09998
VehDyn_Initialize_Crt_M_Igc 0 VehDyn_LoSpdLeamC_ont_M_Igc 0 VehDyn_MorDise_IHwDeg_M_Ig2 868.357971 VehDyn_MorDise_IHwDeg_M_Ig2 777.754028 VehDyn_PhiTrgSV_M_str.SV_Us_Is_122 3.20000005 VehDyn_SIPHWDS_IMDEG_M_IS_122 0.00042200012 VehDyn_SIPHWDS_IMDEG_M_IS_2 0.60699993 VehDyn_SIPHWDS_IMDEG_M_IS_2 0.60699993 VehDyn_SIPHWDS_IMDEG_M_IS_2 4294967295 K_HISQAUDAuthority_UIs_IS_2 1 K_HISQAUDAuthority_UIs_IS_2 1 K_LOSpdVDAuthority_UIs_IS_2 1 K_LOSpdVDAuthority_UIs_IS_2 1 K_SHIHWAGVITITIO_MR_IS_2 4 K_SHIHWAGVITITIO_MR_IS_2 96.3000031 K_TraveIXCDeadband_UIs_IS_2 66.2099991 K_TraveIXCHWAUthority_UIs_IS_2 137899995 LargeL_TRE_Call_Ap_VehDyn_SystemTime_DimmcliapsedTime_mS_u32_CurrentTime 2942063300 LargeL_Rie_Call_Ap_VehDyn_SystemTime_CetSystemTime_mS_u32_CurrentTime 305394580 LargeL_Rie_Inst_Ap_VehDyn_VehDyn_PerI_CowEOT_HWDeg_IS_2 LargeL_VehDyn_PerI_CowEOT_HWDeg_IS_2 LargeL_Rie_Inst_Ap_VehDyn_VehDyn_PerI_SensoriessAuthority_UIs_IS_2 LargeL_VehDyn_		0
VehDyn_LoSpdLeartCnf_M_igc 0 VehDyn_MaxOffset_HwDeg_M_ig2 988.357971 VehDyn_PinTrqSV_M_str.SV_Uis_fg2 3.20000005 VehDyn_PinTrqSV_M_str.SV_Uis_fg2 0.000422000012 VehDyn_SIPTHWAUH_UIS_M_iff32 0.000422000012 VehDyn_SIPHWAUH_UIS_M_iff32 0.606999993 VehDyn_SIPHWAUH_UIS_M_iff32 458.150024 VehDyn_SIPHWAPOS_HWDeg_M_iff32 4294967295 VehDyn_SitHwAgyUdTimer_mS_M_uff32 1 VehDyn_SitHWAgyUdTimer_mS_M_uff32 15 K_HiSpdVDAuthority_UIS_fg2 1 K_IOSpdVDAuthority_UIS_fg2 0 K_LoSpdVDAuthority_UIS_fg2 66.2099991 K_IOSpdVDAuthority_UIS_fg2 66.2099991 K_TravelXCDeadband_UIS_fg2 66.2099991 K_TravelXCDeadband_UIS_fg2 66.2099991 K_TravelXCDeadband_UIS_fg2 67.2000000000000000000000000000000000000		0
VehDyn_MaxOffset_HwDeg_M_f32 770.754028 VehDyn_PinTrgSV_M_strSV_Uis_f32 3.20000005 VehDyn_PinTrgSV_M_strSV_Uis_f32 0.000422000012 VehDyn_SI-PHwAut_Uis_M_f32 0.60699993 VehDyn_SI-PHwDes_HwDeg_M_f32 -563.150024 VehDyn_SI-PHwAQVIdTimer_mS_M_u32 4294967295 K_HISpdVDAuthonity_Uis_f32 1.5 K_HORDING The HwNm_f32 1.5 K_LOSpdVDAuthonity_Uis_f32 9.6000031 K_SHHWAQVIdTITIM_mS_u32 744 K_SHWAQVIANDHOMEG_F32 96.3000031 K_TraevICN-Muthority_Uis_f32 96.20099991 K_TraevICN-Muthority_Uis_f32 96.20099991 K_TraevICN-Muthority_Uis_f32 96.20099991 K_TraevICN-Muthority_Uis_f32 96.20099991 k_TraevICN-Muthority_Uis_f32 96.20099991 target_DimmElapsedTime_mS_u32_ElapsedTime 3533260288 target_Re_lank_D_vehDyn_SystemTime_DetSystemTime_mS_u32_CurrentTime 1437401088 target_Re_lank_D_vehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 143740108 target_Re_lank_D_vehDyn_VehDyn_Per1_Mortor(CRF_MtrRadpS_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Re_lank_D_vehDyn_VehDyn_Per1_Mortor(C		0
VehDyn_MinOffset_HwDeg_M_[32] -770.754028 VehDyn_PinTrgSV_M_str.SV_UIs_[32] 3.20000005 VehDyn_SLPHwAuth_UIs_M_[32] 0.00042200012 VehDyn_SLPHwAuth_UIs_M_[32] 0.606999993 VehDyn_SLPHwPos_HwDeg_M_[32] 4561.510024 VehDyn_SLPHwAuth_UIs_M_[32] 4294967295 K_HSpdVDAuthority_UIs_[32] 1 K_HSpdVDAuthority_UIS_[32] 1.5 K_LSpdVDAuthority_UIS_[32] 0 K_SyskinRatio_MtDegpHwDeg_[32] 44 K_SyskinRatio_MtDegpHwDeg_[32] 66.2099991 K_TravetXCHwAuthority_UIS_[32] 0.137899995 Larget_DimnellapsedTime_mS_u32_ElapsedTime 353320288 Larget_Rie_Call_Ap_VehDyn_SystemTime_DimnellapsedTime_mS_u32_ElapsedTime 353320288 Larget_Rie_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTime 3437401088 Larget_Rie_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTime 3437401088 Larget_Rie_Inst_Ap_VehDyn_Ner_Dyn_Per_I_CovEOT_HwDeg_[32] Larget_VehDyn_Per_I_CovEOT_HwDeg_[32] Larget_Rie_Inst_Ap_VehDyn_Ner_Dyn_Per_I_MoreQuE_HwMn_f32 Larget_VehDyn_Per_I_CovEOT_HwDeg_[32] Larget_Rie_Inst_Ap_VehDyn_Ner_InstructyCovEOT_HwDeg_[32] Larget_VehDyn_Per_I_Ner_Instrube_SHDG_[32]		868.357971
VehDyn_PinTrqSV_M str.SV_Uls_f32 3.20000005 VehDyn_SIPHWebuth_Uls_M f32 0.000422000012 VehDyn_SLPHwPos_HwDeg_M f32 -663.150024 VehDyn_SLPHwPos_HwDeg_M f32 -663.150024 VehDyn_SIH-WAQVIdTimer_mS_M_u32 4294967295 K_HSpdVDAuthority_Uls_f32 1 K_HTMQMgThd_HwNm_f32 1.5 K_LOSpdVDAuthority_Uls_f32 0 K_SiHWAQVIdTITIDd_mS_u32 744 K_SiHWAQVIdTITIDd_mS_u32 66.2099991 K_TraveIXCCHwAuthority_Uls_f32 66.2099991 K_TraveIXCHWAUthority_Uls_f32 0.137889995 K_Target_GEfSystemTime_mS_u32_CurrentTime 353326028 target_GEGSystemTime_mS_u32_CurrentTime 2942663360 target_RE_Call_AD_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 303944380 target_RE_Inst_AD_VehDyn_VehDyn_Per1_CewEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_RE_Inst_AD_VehDyn_VehDyn_Per1_MotorQue_HwNm_f32 target_VehDyn_Per1_LWEOT_HwDeg_f32 target_RE_Inst_AD_VehDyn_VehDyn_Per1_MotorQue_HwNm_f32 target_VehDyn_Per1_Rell-Wros_HwDeg_f32 target_RE_Inst_AD_VehDyn_VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_VehDyn_Per1_Rell-Wros_HwDeg_f32 target_RE_Inst_		
VehDyn_PinTrqSV_M_sir.K_Uis_132 0.000422000012 VehDyn_SLPHwbuth_Uis_M_f32 0.606999983 VehDyn_SrirhwGVIdTimer_mS_M_u32 4294967295 k_HiSpdVDAuthority_Uis_f32 1 k_HeSpdVDAuthority_Uis_f32 1.5 k_LeSpdVDAuthority_Uis_f32 0 k_Srifi-MagVidTimd_mS_u32 744 k_SyskinRatio_MirDegpHwDeg_f32 96.300031 k_TravelXCDeadband_Uis_f32 66.2099991 k_TravelXCHwAuthority_Uis_f32 0.137899995 k_TravelXCHwAuthority_Uis_f32 93.300031 k_TravelXCHwAuthority_Uis_f32 66.2099991 target_DitmnElapsedTime_mS_u32_ElapsedTime 3533260288 target_Rie_Call_Ap_VehDyn_SystemTime_OttrystemTime_MS_u32_ElapsedTime 3347401088 target_Rie_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 3039943680 target_Rie_Inst_Ap_VehDyn_NehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rie_Inst_Ap_VehDyn_NehDyn_Per1_MirRadpS_f32 target_VehDyn_Per1_LwEOT_HwDeg_f32 target_Rie_Inst_Ap_VehDyn_NehDyn_Per1_MirRadpS_f32 target_VehDyn_Per1_ReiHwPos_HwDeg_f32 target_Rie_Inst_Ap_VehDyn_NehDyn_Per1_SensoriessHwDes_HwDeg_f32 target_VehDyn_Per1_ReiHwDeg_f32		
VehDyn_SLPHwAuth_Uis_M_f32 0.606999993 VehDyn_SLPHwPos_HwDeg_M_f32 -563.150024 VehDyn_SrHwAgyIdTimer_mS_M_u32 4249467295 k_HSpdVDAuthority_Uis_f32 1 k_HSpdVDAuthority_Uis_f32 1.5 k_LoSpdVDAuthority_Uis_f32 0 k_SriffwAgyIdTiThd_mS_u32 744 k_SriffwAgyIdTiThd_mS_u32 66.209991 k_TraveIXCDeadband_Uis_f32 66.209991 k_TraveIXCHwAuthority_Uis_f32 0.137899995 target_DtmmElapsedTime_mS_u32_ElapsedTime 3533260288 target_DtmmElapsedTime_mS_u32_CurrentTime 2942063360 target_Ric_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 3437401088 target_Rie_Inst_Ap_VehDyn_VehDyn_Perl_CowEOT_HwDeg_f32 target_Neb_Dyn_Perl_CowEOT_HwDeg_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Perl_Meg_f32 target_VehDyn_Perl_CwEOT_HwDeg_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Perl_MotorVeiCRF_MtrRadpS_f32 target_VehDyn_Perl_MotorVeiCRF_MtrRadpS_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Perl_SensoriessAtubroity_Uis_f32 target_VehDyn_Perl_SensoriessAtubroity_Uis_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Perl_SensoriessAtubroity_Uis_f32 target_VehDyn_Perl_SensoriessAtubroity_Uis_f32 target_Rie_Inst_Ap_VehD		
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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_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_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_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 4812.150024 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196	target_GetSystemTime_mS_u32_CurrentTime	
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_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SriHwAgVId_Cnt_lgc target_VehDyn_Per1_SriHwAgVId_Cnt_lgc target_VehDyn_Per1_SriHwAgVId_Cnt_lgc target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_VehDyn_Per1_SriHwAg_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 4812.150024 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196	$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseD$	3437401088
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_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_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196	$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	3039943680
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_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_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 4812.150024 target_VehDyn_Per1_CwEOT_HwDeg_f32.value	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_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_CcwEOT_HwDeg_f32.value 4812.150024 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_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_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_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc 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_CcwEOT_HwDeg_f32.value 4812.150024 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_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_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_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc 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_CcwEOT_HwDeg_f32.value 4812.150024 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc 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_CewEOT_HwDeg_f32.value 4812.150024 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196		
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_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_CwEOT_HwDeg_f32.value 4812.150024		
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_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_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_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_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1416.51196		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -812.150024 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1416.51196		
talget_veribyit_reit_mviloique_mviiit_iss.value 0		
	target_veribyII_Feri_Fwrorque_Fwrviii_132.value	U





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	~

T				✓
Actual Function	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	•
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	m.goron.byi_i or _vorinooopeccavaiid_onic_igo





			1010
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	-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_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	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	✓

T				✓
Actual Function	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 Igc	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
	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_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 Igc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn ForceCenterEnabled Cnt M lqc	1
, = = = = = =	-201.399994
VehDyn_ForceCenterOffset_HwDeg_M_f32	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	
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_Uls_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_ElapsedTi	
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Call_Ap_vehDyn_SystemTime_GetSystemTime_ms_usz_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

VehDyn_Per1

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Name Input Value

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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 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_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_AutoCntrl_oSpd_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	-1134.75 7.79999973e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_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
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	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_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000494999986
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_UIs_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992
k_TraveIXCDeadband_Uls_f32	20.1599998
k_TraveIXCHwAuthority_UIs_f32	0.229774997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295 2167769344
torget CotSustamTime mS u22 CommentTime	
target_GetSystemTime_mS_u32_CurrentTime	
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime	3437401088
$target\ Rte\ Call\ Ap\ VehDyn\ SystemTime\ DtrmnElapsedTime\ mS\ u32\ ElapsedTitarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	3437401088 54689
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime	3437401088





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_Sensorless	HwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlHwAgVlo	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 TorqueCmo	JCRF MtrNm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpe		
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	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Roodi
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	
	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCotrl liSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCotrl liSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc			
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrloSpd_M_str.Timer2_mS_u32	2967684784 -1134.75	2967684784	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		-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	1022 26001	1 ± 0.004	•

T				✓
Actual Function	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	~

-1033.26001

-1033.26001 ± 0.1

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

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

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Name	Input Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	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_AutoCotrDetSpd_M_str.Timer1Thresh_mS_u16	33198 27074
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 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
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005
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_lgc	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	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10
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	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_lgc	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 VehDyn_PinTrqSV_M_str.K_UIs_f32	13.8999996 0.000495999993
VehDyn SLPHwAuth Uls M f32	0.0189999994
VehDyn SLPHwPos HwDeg M f32	216.610001
VehDyn_SrlHwAgVldTimer_mS_M_u32	7858
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	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_	3494315776
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	7 6 3 6





Name	Input Value		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f	732	
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_Mtr	RadpS_f32	
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_SensorlessAuthori	ity_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_I	MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid	d_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kpl	h_f32	
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	~
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	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	3714197504	3714197504	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	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	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
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_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	993.268005	993.268005	~
	-392.309998	-392.309998	~
	-392.309990		
VehDyn_MinOffset_HwDeg_M_f32		13.8917198 ± 0.00009	
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8917198 7858	13.8917198 ± 0.00009 7858	
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 target VehDyn Per1 SensorlessAuthority Uls f32.value	13.8917198		•

Т				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 2.252 (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	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_AutoChtrDetSpd_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	
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	34.099985
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
	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
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	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 AutoChtrLoSpd M str.ReiHwPosFilt2SV 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
/ehDyn_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
/ehDyn_MaxOffset_HwDeg_M_f32	1252.74194
VehDyn_MinOffset_HwDeg_M_f32	-470.549988
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14
/ehDyn_PinTrqSV_M_str.K_UIs_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
k_TravelXCDeadband_Uls_f32	23.2999992
k_TravelXCHwAuthority_Uls_f32	0.232225001
	2167769344

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Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	463842816		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	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		
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	dpS 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_	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_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		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
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 Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9869995		
Name	Actual Value	Expected Value	Result
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	rtesuit
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	j
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	-
	1259.69995	1259.69995 ± 0.009	j
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1	1259.09995 ± 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	J
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	2760420809	j
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009 1259.69995 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	Ĭ
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	•
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn LoSpdLearnt Cnt M Igc	0	0	•
7 - 7	070 000077	-272.001007	•
7 - 7	-272.000977		•
VehDyn_MaxOffset_HwDeg_M_f32	-272.000977 -470.549988	-470.549988	•
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32		-470.549988 13.9916439 ± 0.00009	
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-470.549988		-
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	-470.549988 13.9916439	13.9916439 ± 0.00009	

Т				✓
Actual Function	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	0.000889999971
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

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Name	Input Value		
k_TravelXCDeadband_Uls_f32	24.8700008		
k_TraveIXCHwAuthority_Uls_f32	0.233449996		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
$target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTi$	1759885568		
$target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$	12		
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	-407.75 982.130005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.98000002		
	1009.29999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1593.90002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	452.589996		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	7.900001		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87.7699966		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	- Court
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	-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	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	2967684784	2967684784	~
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	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	-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	1257.73401	1257.73401	~
VehDyn_MinOffset_HwDeg_M_f32	1186.15002	1186.15002	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89415359	8.89415359 ± 0.000009	~
VehDyn_SrlHwAgVldTimer_mS_M_u32	1243638656	1243638656	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

T				✓
Actual Function	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 2.254 (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	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_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
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	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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00057600002
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	120.699997
/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.Timer1_mS_u32	3174948758
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.88000034e-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
VehDyn_SLPHwPos_HwDeg_M_f32	247.389999
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763
k_HiSpdVDAuthority_Uls_f32	0
	1
k_HwTqMgnThd_HwNm_f32	
k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	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		
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_L		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	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_Ci		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-415.470001 076.560074		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	976.560974		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.08999991 -835		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600 0		
target_VehDyn_Per1_SrlHwAg_HwDg_f32_value	339.730011		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value 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		
	Actual Value	Funcated Value	Danulé
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	Expected Value	Result
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948758	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174940738	3174948758	
venbyn_Autochtibetopu_ivi_str.Timetz_mo_usz	3174340730	3174940730	
VehDvn AutoCntrDetSnd M str RelHwPosFilt1SV HwDeg str SV I lls f32	-1600	-1600 ± 0.000	■
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600 -1600	-1600 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-1600 1	-1600 ± 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	-1600 1 0	-1600 ± 0.009 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	-1600 1	-1600 ± 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	-1600 1 0 1	-1600 ± 0.009 1 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.Timer1_mS_u32	-1600 1 0 1 0 555468	-1600 ± 0.009 1 0 1 0 555468	
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	-1600 1 0 1 0 555468 3174948758	-1600 ± 0.009 1 0 1 0 555468 3174948758	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	-1600 1 0 1 0 555468 3174948758 -1600	-1600 ± 0.009 1 0 1 0 555468	0
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	-1600 1 0 1 0 555468 3174948758 -1600	-1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 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	-1600 1 0 1 0 555468 3174948758 -1600	-1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 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 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	-1600 1 0 1 0 555468 3174948758 -1600 -1600	-1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 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.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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1600 1 0 1 0 555468 3174948758 -1600 -1600 0	-1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 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 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	-1600 1 0 1 0 555468 3174948758 -1600 -1600 0	-1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 0 1	
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Actual Function	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 2.255 (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	200.399994
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.39999962
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.4000015
/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	1123.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000899999985
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
/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	580.5
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	126
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
/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	1123.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000391999987
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/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	580.299988
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.300003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.2999995
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00089999985
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	0
/ehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	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	✓

T				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
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
te_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_Igc	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.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoChtrEoSpd_wi_str.Filter2filtitalized_Cht_lgc	1
enDyn_ForceCenterEnabled_Cnt_ivi_igc /ehDyn_ForceCenterOffset_HwDeq_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_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_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_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	✓

T				✓
Actual Function	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 2.257 (Repeat Count = 1)	Janua Value
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
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	4.1999981
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_AutoChtriiSpd_M_str.Relifiwr osi itr3v_riwbeg_str.Sv_ois_i32	0.000731999986
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
	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_Igc	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	6.19999981
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_lgc	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_Uls_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_UIs_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 1123.40002 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	~

Τ				✓
Actual Function	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	0
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
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	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
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
hDyn_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
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
hDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	0
hDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	0
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
	0
hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600 2.54327406-2.006
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	-1600 2.51327106e-006





Name	Input Value		
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 VehDyn_SrlHwAgVldTimer_mS_M_u32	-1600 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_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 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	Im 622	
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	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019 0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	- Court
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 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	V
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1600 0	-1600 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	,
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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	~

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Actual Function	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

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Input Value

VehDyn_Per1

Name



Name	iliput value		
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		
	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc			
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		
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		
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	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		
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>	
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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	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1.1600 ± 0.000	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc		1600 ± 0.009	
	1	1	~
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.Filter1Initialized_Cnt_lgc	1 1 1	1 1 1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1 1 1	1 1 1 1	~
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 1 1 4294967295	1 1 1 1 4294967295	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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 1 1 4294967295 4294967295 1600	1 1 1 1 4294967295 4294967295 1600 ± 0.009	\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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 1 1 1 4294967295 4294967295 1600	1 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009	· · · · · · · · · · · · · · · · · · ·
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 1 1 4294967295 4294967295 1600 1600	1 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009	· · · · · · · · · · · · · · · · · · ·
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 1 1 4294967295 4294967295 1600 1600 0	1 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009	· · · · · · · · · · · · · · · · · · ·
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	1 1 1 1 4294967295 4294967295 1600 1600 0	1 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 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.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 1 1 4294967295 4294967295 1600 1600 0	1 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 0 1	· · · · · · · · · · · · · · · · · · ·
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_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 1 1 1 4294967295 4294967295 1600 1600 0 1 1 1 1	1 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 0 1 1 1 1 4294967295	· · · · · · · · · · · · · · · · · · ·
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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1 1 1 1 4294967295 4294967295 1600 1600 0 1 1 1 1 4294967295 4294967295	1 1 1 1 4294967295 4294967295 1600 ± 0.009 0 1 1 1 1 4294967295 4294967295	· · · · · · · · · · · · · · · · · · ·
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_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 1 1 1 4294967295 4294967295 1600 1600 0 1 1 1 1	1 1 1 1 4294967295 4294967295 1600 ± 0.009 1600 ± 0.009 0 1 1 1 1 4294967295	· · · · · · · · · · · · · · · · · · ·





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	~

Τ				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
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_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.700012
enDyn_AutoCntrDetSpd_w_str.wirver_intrRadpS_is2 /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	
/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	-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_Uls_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_Uls_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000494999986		
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_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	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	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	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	-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		
		Even acts of Value	Don "
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	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	V
	2967684784	2967684784	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32			





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	•

Т				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:

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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 & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = FALSE) & (Deadband_Uis_T_52 × DEADBAND_FRALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = FALSE) & (Deadband_Uis_T_52 × DEADBAND_FRALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE_FALSE & (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRUE_
                    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_MinoGfset_HwDeg_M_f32)=((CwEOTPosition_HwDeg_T_f32-OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE && ((VehDyn_MinoGfset_HwDeg_M_f32)=((CwEOTPosition_HwDeg_T_f32-OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32))=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE)&& ((CwEOTPosition_HwDeg_T_f32)=TRUE)&& ((CwEOTPosition_HwDeg_T_f32)=TRUE)&& ((CwEOTPosition_HwDeg_T_f32)=TRUE)&& ((CwEOTPosition_HwDeg_T_f32)=TRUE)&& ((VehDyn_HiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE/FALSE && ((VehDyn_HiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE/FALSE && ((VehDyn_HiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && ((VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=TRUE)=TRUE/FALSE && ((VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=TRUE/FALSE && ((VehDyn_HiSpdLearnt_Cnt_M_lgc)=TRUE/FALSE && ((VehDyn_HiSpdLearnt_Cnt_M_
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==FALSE | Sef. | (YehDyn AllowHiSpdAutoCnit | Ont. M. | go == TRUE | =TRUE | Set | YehDyn | Institution | N. | go == TRUE | =TRUE | Set | YehDyn | Institution | N. | go == TRUE | =TRUE | Set | YehDyn | Institution | N. | go == TRUE | =TRUE | Set | YehDyn | MaxOffset | HwDeg | M. | 325=((CweCOTPosition | HwDeg | T. | 32 - OffsetRelHwPos | HwDeg | T. | 32) =TRUE | FALSE | Set | YehDyn | MinOffset | HwDeg | M. | 325=((CweCOTPosition | HwDeg | T. | 32 - OffsetRelHwPos | HwDeg | T. | 32) =TRUE | FALSE | Set | YehDyn | MinOffset | HwDeg | M. | 325=((CweCOTPosition | HwDeg | T. | 32 - OffsetRelHwPos | HwDeg | T. | 32) =TRUE | Set | Set | YehDyn | MinOffset | HwDeg | M. | 32 - OffsetRelHwPos | HwDeg | T. | 32 - No. | And | No. | N
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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
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

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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	~

T				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 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.Hitvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPrinty_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPrinty_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_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 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	✓

Τ				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 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 V	alue
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2553156	835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2967684	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -833.309	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000561 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1600	999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Ols_132	1000015
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 44.02000	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 166.1199	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 4.019999	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 12.11999 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 5235	99
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 27074	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2553156	835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684	784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -833.309	998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 4.980000	009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -833.309	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000774	1000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDvn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0	
VehDyn_AutoCntrLoSpd_M_str.Filter1mittalized_Cnt_lgc	
VehDyn_ForceCenterEnabled_Cnt_M_lgc 1	
VehDyn_ForceCenterOffset_HwDeg_M_f32 -1400.31	995
VehDyn_HiSpdLearnt_Cnt_M_lgc 1	
VehDyn_Initialize_Cnt_M_lgc 1	
VehDyn_LoSpdLearnt_Cnt_M_lgc 1	
VehDyn_MaxOffset_HwDeg_M_f32 678.6619	
VehDyn_MinOffset_HwDeg_M_f32 -1024.74 VehDyn_PinTrqSV_M_str.SV_UIs_f32 15.19998	
VehDyn_PinTrqSV_M_str.K_Uls_f32	
VehDyn_SLPHwAuth_Uls_M_f32 0.057	1000017
VehDyn_SLPHwPos_HwDeg_M_f32 -953.030	029
VehDyn_SrlHwAgVldTimer_mS_M_u32 2127166	208
k_HiSpdVDAuthority_Uls_f32 0	
k_HwTqMgnThd_HwNm_f32 1.200000	
k_LoSpdVDAuthority_UIs_f32 0.870000	0005
k_SrlHwAgVIdTiThd_mS_u32 45	200
k_SysKinRatio_MtrDegpHwDeg_f32 32.29998 k_TravelXCDeadband_Uls_f32 90.52998	
k TravelXCHwAuthority Uls f32 0.091349	
target DtrmnElapsedTime mS u32 ElapsedTime 4077829	
target_GetSystemTime_mS_u32_CurrentTime 1117112	
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi 3494315	776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2127166	208
	ehDyn_Per1_CcwEOT_HwDeg_f32
	ehDyn_Per1_CwEOT_HwDeg_f32
	ehDyn_Per1_HwTorque_HwNm_f32
	ehDyn_Per1_MotorVelCRF_MtrRadpS_f32 ehDyn Per1 RelHwPos HwDeg f32
	enDyn_Per1_ReinwPos_nwbeg_is2 ehDyn_Per1_SensorlessAuthority_Uls_f32
	ehDyn_Per1_SensorlessHwPos_HwDeg_f32
	ehDyn_Per1_SrlHwAgVld_Cnt_lgc
	ehDyn_Per1_SrlHwAg_HwDeg_f32
	ehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehicleSpeedValid_Cnt_lgc	
	ehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Ve	ehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1050.03	ehDyn_Per1_VehicleSpeed_Kph_f32 003
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1050.03 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1051.474	ehDyn_Per1_VehicleSpeed_Kph_f32 003
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1050.03 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1051.474 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000	ehDyn_Per1_VehicleSpeed_Kph_f32 003 I 042
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1050.03 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1051.474 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 159.1000	ehDyn_Per1_VehicleSpeed_Kph_f32 003 I 042 006
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1050.03 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1051.474 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 159.1000	ehDyn_Per1_VehicleSpeed_Kph_f32 003 I 042 006
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1050.03 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1051.474 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 159.1000 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -833.309	ehDyn_Per1_VehicleSpeed_Kph_f32 003 I 042 006 998
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1050.03 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1051.474 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 159.1000 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -833.309 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 1	ehDyn_Per1_VehicleSpeed_Kph_f32 003 0042 006 998
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Vetarget_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1050.03 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1051.474 target_VehDyn_Per1_HwTorque_HwNm_f32.value -8.06000 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 159.1000 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -833.309 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -1332.65	ehDyn_Per1_VehicleSpeed_Kph_f32 003 0042 006 998





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_UIs_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	~

Τ				✓
Actual Function	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	Resu
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_UIs_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	

T				✓
Actual Function	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 _ ,	

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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 Igc	1	1	✓
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	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 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	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	✓

Τ				✓
Actual Function	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	Resul
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_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_UIs_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	

au				
Actual Function	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 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_Igc	0
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	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_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	-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	0.89999976 ± 0.004	·
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

_				
T				✓
Actual Function	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 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_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_TorqueCm	target_VehDyn_Per1_TorqueCmdCRF_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	-515.830017			
target VehDyn Per1 CwEOT HwDeg f32.value	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	Resul	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	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_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	-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.Timer1_mS_u32 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		
7 - 7	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_lgc	1	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1		
VehDyn_Initialize_Cnt_M_lgc	1	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc		The second secon		
VehDyn_MaxOffset_HwDeg_M_f32	904.164001	904.164001		
VehDyn_MinOffset_HwDeg_M_f32	-515.830017	-515.830017		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39988518	-5.39988518 ± 0.000009		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192		
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-515.109985	1 ± 0.004 -515.109985 ± 0.1		

T				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 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_TravelXCDeadoand_Uis_f32 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 riwhen 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_SensorlessAuthor	rity_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_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_VehicleSpeedVali	id_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kp	bh_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		
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		
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	4294967295	4294967295	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓

T →			✓	
Actual Function	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_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAu	thority_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_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_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	-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	

T ·				✓
Actual Function	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 VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	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_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_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	-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	- TOO LITE
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_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_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_Igc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1	1	_
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	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 Igc	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_veribyii_i or i_oerisonessAuthority_ois_loz.value	L'	1 ± 0.007	

au			✓	
Actual Function	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	_

-998.960022

-998.960022 ± 0.1

Test Step 3.12 (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	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 -1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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_Igc	0
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timerz_ms_usz 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 Igc	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	824746752
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32	824746752 0
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32	824746752 0 7.0999999
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32	824746752 0 7.0999999 0
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32	824746752 0 7.0999999 0 9000
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32	824746752 0 7.0999999 0 9000 1
VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32	824746752 0 7.0999999 0 9000

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Name	Input Value		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	Ti 1316564736		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	e 824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_Ccw	EOT_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwE	OT_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwT		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_Moto		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_Sens		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32		sorlessHwPos HwDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc	target_VehDyn_Per1_SrlH		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlH		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_Torq		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_Vehi		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_Vehi		
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		
	-1240.31006		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value			
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	l=	
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_Igc	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	0	0	
VehDyn_MaxOffset_HwDeg_M_f32	360	360	
	-1250	-1250	
VehDyn_BinTracY/ M. etc.SV/ Jllo. #22	-1250		
VehDyn_PinTrqSV_M_str.SV_UIs_f32		-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	-1240	-1240 ± 0.1	

Τ				✓
Actual Function	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

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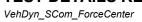
Name	Input Value		
k TravelXCDeadband Uls f32	43.5499992		
k_TraveIXCHwAuthority_UIs_f32	0.164849997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336		
target GetSystemTime mS u32 CurrentTime	1117112832		
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT	**		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime			
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	0	
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_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_I		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	NDeg_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	-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	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	✓

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T				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	~

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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
olodule '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 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. 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	<pre>\$(InitObjDir)\sys_link.cmd</pre>	
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.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

Description Vector 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)	d_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	✓

T				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_VehDy	n_RelHwPos_HwDeg_f32_data	
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	-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	✓

T				✓
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)	target_Rte_Read_Ap_VehDy	n_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	~	

T				✓
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_VehDyr	n_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	~
VehDvn ForceCenterOffset HwDeg M f32	1300 25	1300 25 + 0 009	✓

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VehDyn_SCom_ForceCenter

T				✓
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			
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	1600	1600		
Name	Actual Value	Expected Value	Result	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1	~	
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600	1600 ± 0.009	✓	

T			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	~



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\u00e1nclude -I\$(PROJECTROOT)\\nxtrLib\u00e1

Name	Text
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):201
	Total CALS Used (Bytes):115
	Special Test Requirements: Test Date: 09-15-2015
	Test Date:09-19-2015
	NOTE2: "CBD Sandbox dbg.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.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false



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

>CntrWindow_HwDeg_f32)=>True

if (AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_FALSE_CNT_LGC) && (Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16))=>True if (AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=>True if (AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>True"



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=> TS1.1"Shortest Execution Patn=> 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_lgc == D_TRUE_CNT_LGC) && (AbsFiltPinTrq_HwNm_T_f32 <= (AutoCntr_Cnt_T_str->FiltPinTrq_HwNm_f32)))=>False if(AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>False" TS1.2"Longest Execution Path=> TS1.2"Longest 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_lgc == D_TRUE_CNT_LGC) && (VehSpdValid_Cnt_T_lgc == D_TRUE_CNT_LGC) && (AbsFiltPinTrq_HwNm_T_f32 <= (AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_FALSE_CNT_LGC) && (Timer1Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Filter1Pintresh_mS_u16))=>True if (AutoCntr_Cnt_T_str->Filter1Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=>True if (AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>True if (Abs_f32_m(RelHwPos_HwDeg_T_f32 - AutoCntr_Cnt_T_str->RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32) <= AutoCntr_Cnt_T_str->CntrWindow_HwDeg_f32)=>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_ElapsedTime FiltPinTrq_HwNm_T_f32 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 $tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32$ n tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 0 tgt AutoCntr Cnt T str.FiltPinTrg 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 4243378688 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 $tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32$ 2269150976 tat AutoCntr Cnt T str.RelHwPosFilt1SV HwDea 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 **Actual Value Expected Value** Name 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

T					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	

0

0

tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc



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		
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	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	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_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	~

T				
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 2: Boundary Test



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
TS2.11 659.00 Cycles
TS2.12 659.00 Cycles
TS2.13 659.00 Cycles
TS2.13 659.00 Cycles
TS2.14 659.00 Cycles
TS2.15 683.00 Cycles
TS2.15 683.00 Cycles
TS2.17 659.00 Cycles
TS2.18 728.00 Cycles
TS2.19 654.00 Cycles
TS2.19 654.00 Cycles
TS2.20 701.00 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
TS2.27 659.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.28 654.00 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
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.29 654.00 Cycles
TS2.21 654.00 Cycles
TS2.21 654.00 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
TS2.29 654.00 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
TS2.38 654.00 Cycles
TS2.38 654.00 Cycles
TS2.39 654.00 Cycles
TS2.38 654.00 Cycles
TS2.41 654.00 Cycles
TS2.42 659.00 Cycles
TS2.43 654.00 Cycles
TS2.44 707.00 Cycles
TS2.45 654.00 Cycles
TS2.46 659.00 Cycles
TS2.47 659.00 Cycles
TS2.51 693.00 Cycles
TS2.52 664.00 Cycles
TS2.53 664.00 Cycles
TS2.54 664.00 Cycles
TS2.55 664.00 Cycles
TS2.56 664.00 Cycles
TS2.57 654.00 Cycles
TS2.58 664.00 Cycles
TS2.59 664.00 Cycles
TS2.60 664.00 Cycles
TS2.60 664.00 Cycles
TS2.61 664.00 Cycles
TS2.62 664.00 Cycles
TS2.63 664.00 Cycles
TS2.64 664.00 Cycles
TS2.65 664.00 Cycles
TS2.67 664.00 Cyc TS2.75 654.00 Cycles TS2.76 693.00 Cycles



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 = Min
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 = Min
TS 2.19RelHwPos_HwDeg_T_f32 = Neg
TS 2.21RelHwPos_HwDeg_T_f32 = Neg
TS 2.22RelHwPos_HwDeg_T_f32 = Neg
TS 2.22RelHwPos_HwDeg_T_f32 = Neg
TS 2.23AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32==>Min
TS 2.25AutoCntr_Cnt_T_str.WtrVel_MtrRadpS_f32==>Min
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Min
TS 2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Min
TS 2.28AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Pos
TS 2.28AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Pos
TS 2.29AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Nin
TS 2.29AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Nin
TS 2.30AutoCntr_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==>No
TS 2.33AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f3
          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_T_str.Filter2Initialized_Cnt_lgc==>Min
TS 2.61AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc==>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.Timer2_mS_u32==>Min
TS 2.69AutoCntr_Cnt_T_str.Timer2_mS_u32==>Max
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
```

Test Step 2.1 (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	-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	



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	~

T				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime mS u32	1	GetSystemTime mS u32	1	

Test Step 2.2 (Repeat Count = 1)			→		
Name	Input Value				
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str				
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime				
FiltPinTrg HwNm T f32	18.7999992				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	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	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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786	0.00125584786			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	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_Igc	1	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•		



T				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.3 (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	-18.7999992		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	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_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272		
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	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_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

T				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_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	



Name	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	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	2659241984		
tgt_GetSystemTime_mS_u32_CurrentTime	1050692864		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864	✓
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	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	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_ElapsedT	ime	
FiltPinTrq_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_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	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_Igc	0	0	

T				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~





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	✓

Τ					✓
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_Elaps	edTime	
FiltPinTrq_HwNm_T_f32	4.23000002		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentT	ime	
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	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	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	✓

T				✓
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



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.FiltPinTrq_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	Result
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	✓

T				~
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 ElapsedTime	
FiltPinTrq HwNm T f32	5.8699989	
GetSystemTime mS u32(CurrentTime)	tqt GetSystemTime mS u32 CurrentTime	
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	
tqt AutoCntr Cnt T str.VehSpd kph f32	34	
tgt AutoCntr Cnt T str.FiltPinTrg 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	✓



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 Igc	1	1	✓

T	Τ			
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		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 Elapse	ndTime	
FiltPinTrg HwNm T f32	9.45499992	eu i iiile	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTi	me	
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.FiltPinTrg 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	Resul
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	•

T				✓
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	



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	✓

T .				✓
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 u32	FlansedTime	
FiltPinTrg HwNm T f32	5.76599979	Liapsed1iiile	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
MotorVelCRF MtrRadpS T f32	-900	unchimic	
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		
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.0007999998		
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_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	•



T					
Actual Function	Count	Expected Function	Count	Result	
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			
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	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_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~	

T					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime_mS_u32	1	GetSystemTime_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			



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	✓

T					
Actual Function	Count	Expected Function	Count	Resu	it
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_E	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	•	

Τ					
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		Ť		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str				
DtrmnElapsedTime mS u32(ElapsedTime)	tgt_AutoInt_Cinc_r_su tgt_AutoInt_Cinc_r_su				
FiltPinTrg HwNm T f32	4.2329998				
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime				
MotorVelCRF MtrRadpS T f32	752				
RelHwPos HwDeg T f32	933.469971				
VehSpdValid Cnt T lgc	1				
VehicleSpeed Kph T f32	166.977005				
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	539				
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_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	1050692864				
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	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_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	~		

T				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.18 (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	6.98699999
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	0.00080999998
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



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	✓

T				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 2.19 (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	14.6626997				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	536.200012	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	Result		
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_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	~		

T				
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



Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTi	ime		
FiltPinTrg HwNm T f32	7.099999			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime			
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.FiltPinTrg 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			
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 Igc	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	~	

T				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_ElapsedTime				
FiltPinTrq_HwNm_T_f32	2.0999999				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	110				
RelHwPos_HwDeg_T_f32	448.5				
VehSpdValid_Cnt_T_lgc	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.FiltPinTrq_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_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~		

T				✓
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	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



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	✓

T .				
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	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u33	tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrq HwNm T f32	8			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	154			
RelHwPos_HwDeg_T_f32	-1144.59998			
VehSpdValid_Cnt_T_lgc	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			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	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_Igc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0		

T				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



Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 Elapsed	Time	
FiltPinTrg HwNm T f32	4		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTim	e	
MotorVelCRF MtrRadpS T f32	-759		
RelHwPos HwDeg T f32	91.0800018		
VehSpdValid Cnt T Igc	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	•

T				✓
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_Ci	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	→



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	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

T				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

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	_ElapsedTime	
FiltPinTrq_HwNm_T_f32	14.1199999		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	urrentTime	
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	Result
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_Igc	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	✓

T				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

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	



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	•

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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 Elaps	adTime	
FiltPinTrg HwNm T f32	10	Sarine	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentT	ma	
MotorVelCRF MtrRadpS T f32	753	me .	
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.FiltPinTrg 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	✓



Name	Actual Value	Expected Value	Result
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1	~

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Actual Function	Count	Expected Function	Count	Result		
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~		

Test Step 2.29 (Repeat Count = 1)	Imput Value		
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	2		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	CurrentTime	
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_Igc	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_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 Igc	0	0	

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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	~

T						
Actual Function	Count	Expected Function	Count	Result		
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~		
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	~		

Test Step 2.31 (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				
FiltPinTrg HwNm T f32	6	•			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Cu	ırrentTime			
MotorVelCRF_MtrRadpS_T_f32	14				
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.FiltPinTrq_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_lgc	0				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832				
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408				
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	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_lgc	0	0	~		

T ·						
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	
FiltPinTrg HwNm T f32	5		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Cur	rentTime	
MotorVelCRF_MtrRadpS_T_f32	652		
RelHwPos HwDeg T f32	-627.179993		
VehSpdValid Cnt T Igc	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	✓

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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



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	~

T				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.34 (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 Cu	urrentTime	
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	Result
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_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

T				
Actual Function	Count	Expected Function	Count	Resu
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



Name	Input Value			
FiltPinTrg 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 Igc	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.FiltPinTrg HwNm f32	6			
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	2942063360			
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	662694400			
tgt_GetSystemTime_mS_u32_CurrentTime	824746752			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	0	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	~	
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	~	

T				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.36 (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	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	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	✓



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	~

T				
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	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u3	tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrq_HwNm_T_f32	7.4000001			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_	CurrentTime		
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	✓	

T				
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	



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	0.00083999993		
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_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	~

T				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 2.39 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 Elapsed	lime	
FiltPinTrq_HwNm_T_f32	11.3199997		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_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	Result
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	✓



Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tot AutoCntr Cnt T str.Filter2Initialized Cnt lgc	1	1	✓

T				
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 tqt_DtrmnElapsedTime mS u32 ElapsedTime		
DtrmnElapsedTime_mS_u32(ElapsedTime) FiltPinTrq HwNm T f32	18	Sed i line		
		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		

T				
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	



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_lgc	1	1	•

T .						
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)			<i>y</i>
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	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 lgc	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	Result
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	✓



Name	Actual Value	Expected Value	Result
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0	~

T					
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	_ElapsedTime	
FiltPinTrq_HwNm_T_f32	12.9799995		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
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	Resul
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	•

T					
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	



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	~

T						
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 Elapse	dTime	
FiltPinTrq_HwNm_T_f32	16		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTir	me	
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	•



T .					
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_DtrmnElapsedTime_mS_u32	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	3		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-8		
RelHwPos_HwDeg_T_f32	-1036.69995		
VehSpdValid_Cnt_T_lgc	1		
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_Igc	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	

T					
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



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	~

Τ				✓
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		
FiltPinTrq 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_lgc	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		
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		
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		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	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 Exp	pected Value	Resul
Autocenter_f32()	0 0±	0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680 303	9943680	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	569984000 569	984000	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015 -893	3.640015	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015 -893	3.640015	•
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_lgc	1 1		

Т					
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				
FiltPinTrq_HwNm_T_f32	7				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-9.01000023				
RelHwPos_HwDeg_T_f32	616.409973				
VehSpdValid_Cnt_T_lgc	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	Ī				
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344				
tgt_GetSystemTime_mS_u32_CurrentTime	2659241984				
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	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			

T				
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_lgc	0	



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	✓

T				✓
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_ElapsedTi	me		
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	~	

T				
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	

Actual Function

GetSystemTime_mS_u32



Count Result

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	✓

Count Expected Function

GetSystemTime_mS_u32

Test Step 2.53 (Repeat Count = 1) Name	Input Value			
	The state of the s	· ·		
AutoCntr_Cnt_T_str		tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_E	lapsed i me		
FiltPinTrq_HwNm_T_f32	10			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curr	entime		
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			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000877999992			
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_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	4195077888			
tgt_GetSystemTime_mS_u32_CurrentTime	569984000			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	-1907.90002	-1907.90002 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000	569984000	•	

3039943680

-136.300003

3039943680

-136.300003

 $tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32$



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	Ō	✓
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	1	1	✓

T				~
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~

Test Step 2.54 (Repeat Count = 1) Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Elap	osedTime	
FiltPinTrq_HwNm_T_f32	2	4Tim	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curren	time	
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	Resul
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 Igc	0	0	

Τ				V
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	



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	✓

T				V
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		
FiltPinTrq_HwNm_T_f32	6		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	urrentTime	
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	•



T				V
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	•

T				✓
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		



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	✓

T					
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 0 50 (D4 04)			. 4	
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_ElapsedTime			
FiltPinTrq_HwNm_T_f32	18			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-142			
RelHwPos_HwDeg_T_f32	-736.599976			
VehSpdValid_Cnt_T_lgc	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 Igc	1	1	✓	
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	1	1	~	

T					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~	



Test Step 2.60 (Repeat Count = 1)			9	
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	8	nie		
GetSystemTime mS u32(CurrentTime)	1			
MotorVelCRF MtrRadpS T f32	tgt_GetSystemTime_mS_u32_CurrentTime -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.FiltPinTrg HwNm f32	8.19999981			
tgt_AutoCntr_Cnt_T_str.Fntrrid_nwinin_is2 tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52			
tgt_AutoCntr_Cnt_T_str.Cntrviiidow_nwbeg_isz tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868			
tgt_AutoCntr_Cnt_T_str.TimerTrinesin_ins_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 Igc	0			
tgt_AutoCntr_Cnt_T_str. inter remable_cnt_ge	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	V	
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 Igc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc	1	1	~	

T						
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	
OtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	4	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
NotorVelCRF_MtrRadpS_T_f32	-456	
RelHwPos_HwDeg_T_f32	-10.3400002	
/ehSpdValid_Cnt_T_lgc	1	
/ehicleSpeed_Kph_T_f32	236	
gt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	498.359985	
gt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	35	
gt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4.5	
gt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41	
gt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970	
gt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364	
gt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000	
pt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408	
gt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	
gt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000869999989	
gt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	
st_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000539999979	
gt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	
gt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	



Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	170564352		
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	569984000	569984000	✓
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	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

T .				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

Test Step 2.62 (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		
FiltPinTrg HwNm T f32	14	·		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	urrentTime		
MotorVelCRF_MtrRadpS_T_f32	18			
RelHwPos_HwDeg_T_f32	476.670013			
VehSpdValid_Cnt_T_lgc	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	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	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	~	

Τ				
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



Name	Input Value		
FiltPinTrq_HwNm_T_f32	16.9799995		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
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_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

T T				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

Test Step 2.64 (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	18		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTi	me	
MotorVelCRF_MtrRadpS_T_f32	-42.0999985		
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	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	✓



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	~

Τ				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_Nullociti_cit_i_sti		
FiltPinTrg HwNm T f32		sz_Elapseu i lille		
GetSystemTime_mS_u32(CurrentTime)		1 tat GetSystemTime mS u32 CurrentTime		
MotorVelCRF MtrRadpS T f32	75	Current i inte		
_ : _ =	-1380.59998			
RelHwPos_HwDeg_T_f32	1			
VehSpdValid_Cnt_T_lgc VehicleSpeed Kph T f32	216.320007			
	98			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	200 1.5			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32				
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_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	•	

T .				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 2.66 (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



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	•

T				V
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

Test Step 2.67 (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	4		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	26.5		
RelHwPos_HwDeg_T_f32	829.530029		
VehSpdValid_Cnt_T_lgc	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.FiltPinTrq_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_lgc	1	1	✓



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 Igc	1	1	✓

Τ				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		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)		tqt DtrmnElapsedTime mS u32 ElapsedTime	
FiltPinTrq_HwNm_T_f32	7		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_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	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_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()	-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_lgc	1	1	~

Τ				
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	



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	✓

T				✓
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				
FiltPinTrq_HwNm_T_f32	14				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime			
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	Resul		
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_Igc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc	0	0			
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	1	1			
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1			



T				V
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			
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	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	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	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		

Т				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_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



Name	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	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	3714197504		
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295	4294967295	~
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	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

T					V
Actual Function	Count	Expected Function	Count	Resu	ılt
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		•

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 Elaps	sedTime		
FiltPinTrq HwNm T f32	4			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 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		

Τ				✓
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				
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			

T				
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



Name	Input Value	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376	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	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓	

Т				
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 ElapsedTime		
FiltPinTrq_HwNm_T_f32	1			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32	CurrentTime		
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	✓	

Τ					
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 TS3.5 1776.00 Cycles TS3.7 747.00 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->MtrVel_MtrRadpS_f32) && (VehicleSpeed_Kph_T_f32) = AutoCntr_Cnt_T_str->VehSpd_kph_f32) && (VehSpdValid_Cnt_T_lgc) && (VehSpdValid_Cnt_T_lgc) = D_TRUE_CNT_LGC) && (AutoCntr_Cnt_T_str->FilterInable_Cnt_lgc) = D_FALSE_CNT_LGC) && (TimerItalpaed_mS_T_j32) = Tuse (AutoCntr_Cnt_T_str->FilterInable_Cnt_lgc == D_FALSE_CNT_LGC) && (TimerItalpaed_mS_T_j32) = AutoCntr_Cnt_T_str->FilterInable_Cnt_lgc == D_FALSE_CNT_LGC) && (TimerItalpaed_mS_T_j32) = AutoCntr_Cnt_T_str->FilterInable_Cnt_lgc == D_FALSE_CNT_LGC)=False (AutoCntr_Cnt_T_str->FilterInable_Cnt_lgc == D_FALSE_CNT_LGC)=False (AutoCntr_Cnt_T_str->FilterInable_Cnt_

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 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 ± 0.1	→	



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	✓

T				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	~



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	✓

T					
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_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	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 ± 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	✓



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	✓

Τ						
Actual Function	Count	Expected Function	Count	Result		
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~		
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	✓		

Test Step 3.5 (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	5	5			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	ırrentTime			
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	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	-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	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	Result		
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	✓		

Т						
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	



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_lgc	1	1	~

T					
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	✓



Name	Actual Value	Expected Value	Result
tat AutoCntr Cnt T str.Filter2Initialized Cnt lac	0	0	✓

T				✓
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	5			
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 C	urrentTime		
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	Resul	
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		

T					
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	



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	~

T				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 3.10 (Repeat Count = 1)				
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_E	lapsedTime		
FiltPinTrq_HwNm_T_f32	5			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	entTime		
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	1316564736			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-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	0.000508000026			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	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	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	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 lgc	1	1		
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	1	1		
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1		



T				✓
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	_

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VehDyn_SCom_ResetCenter

 Project
 VehDyn

 Module
 VehDyn

Test Object VehDyn_SCom_ResetCenter

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)\StdDef\u00e1\s(PROJECTROOT)\NxtrLib\\u00e1\s(\u00e1\s(PROJECTROOT)\\u00e1\s(\u00\s(\u00e1\s(\u00\

Comments/Descrip	tion/Specification
Name	Text
Module 'VehDyn'	Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3 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 (CodeCen) 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. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference."

Attributes	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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\src</pre>			
Linker File	<pre>\$(InitObjDir)\sys_link.cmd</pre>			
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre>			
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	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	✓	

T				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	~



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\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\utp\contract\Ap_VehDyn -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Spe	ecification
Name	Text
Module 'VehDyn'	Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3 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 FLASH Used (Bytes):2278 Total RAM Used (Bytes):2115 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.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false



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:

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

Test Step 1.1 (Repeat Count = 1)	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
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	16.47K k_AutoCntrHiSpdTim



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	~

Τ				✓
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_CurrentTime	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
target Rte Inst Ap VehDyn 2	
100	
0.100000001	
0.100000001	
700	
20	
4294967295	
Actual Value Expected Value	Result
700 700 ± 0.2	~
255 ± 0.5	~
20 ± 0.04	~
100 ± 0.0625	✓
60000 ± 2	✓
60000 ± 2	~
4294967295 4294967295	✓
4294967295 4294967295	✓
0.00125586987 0.00125584786 ± 1.25663627181805E-06	✓
0.00125586987 0.00125584786 ± 1.25663627181805E-06	-
700 ± 0.2	-
255 ± 0.5	✓
20 ± 0.04	~
100 ± 0.0625	•
60000 ± 2	-
0000012	
60000 £2	✓
	*
60000 60000 ± 2 4294967295 4294967295	
60000 60000 ± 2 4294967295 4294967295	~
	tg_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rte_Inst_Ap_VehDyn_2 100 0.100000001 0.100000001 700 20 255 60000 60000 100 100 0.100000001 100 0.100000001 0.100000001 0.100000001 0.100000001 0.100000001 0.100000001 0.100000001 0.100000001 10 1 1 1 1 1600 1 1 1 1 1600 1 1 1 1 1600 1 1 1 1 1 1600 1 1 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.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	~

T				
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 2: Boundary Test



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 TS2.16 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
TS2.22 3945.00 Cycles
TS2.23 3945.00 Cycles
TS2.24 3945.00 Cycles
TS2.25 3945.00 Cycles
TS2.26 3945.00 Cycles
TS2.27 3945.00 Cycles
TS2.28 3945.00 Cycles
TS2.29 3945.00 Cycles
TS2.30 3945.00 Cycles
TS2.31 3945.00 Cycles
TS2.32 3945.00 Cycles
TS2.33 3945.00 Cycles
TS2.34 3945.00 Cycles
TS2.34 3945.00 Cycles
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 TS2.54 3945.00 Cycles TS2.55 3945.00 Cycles TS2.56 3945.00 Cycles TS2.56 3945.00 Cycles TS2.57 3945.00 Cycles TS2.58 3945.00 Cycles TS2.69 3945.00 Cycles TS2.60 3945.00 Cycles TS2.61 3945.00 Cycles TS2.63 3945.00 Cycles TS2.63 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 2.20k_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 = Min
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
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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	
	0.000199999995	
k_AutoCntrHiSpdFilt1Kn_Hz_f32		
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	0.000199999995	
	0	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32		
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	
tgt_GetSystemTime_mS_u32_CurrentTime	0	
Name	Actual Value Expected Value	Resu
	Actual Value Expected Value	INCOL
	0 0 ± 0.2	rtcst
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		Residence
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0 0 ± 0.2	Ites
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0 0 ± 0.2 0 ± 0.5	TC3
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	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	I CO
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	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
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	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	The state of the s
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	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 ± 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 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	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	
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	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.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.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.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.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.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.FiltPinTrq_HwNm_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_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.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.FiltPinTrq_HwNm_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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_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.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.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_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.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.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.Timer4_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer5_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_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.NelHwPosFilt3SV_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.Timer1Thresh_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_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.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_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.Timer1_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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 0 ± 2 0 0 0 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 0 ± 0.0 0 0 0 ± 0.0 0 0 0 ± 0.0 0 0 0 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 0 ± 0.2 0 0 0 0 ± 0.5 0 0 0 0 ± 0.04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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T					
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)	Inner Makes			
Name CatSustantina and u22/CoursetTime	Input Value	_		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTim			
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	100			
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001 0.100000001			
k_AutoCntrHiSpdFilt2Kn_Hz_f32				
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	Resu	
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		
venbyn_Addoontriiopd_ivi_str.iviti vei_iviti tadpo 132		700 ± 0.2		
		255 + 0.5		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	255 20	20 ± 0.04		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	255 20 100	20 ± 0.04 100 ± 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	255 20 100 60000	20 ± 0.04 100 ± 0.0625 60000 ± 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	255 20 100 60000 60000	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 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	255 20 100 60000 60000 4294967295	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 4294967295		
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	255 20 100 60000 60000 4294967295 4294967295	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 4294967295 4294967295		
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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584786 ± 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.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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584786 ± 1.25663627181805E-06 0.00125584786 ± 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.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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584786 ± 1.25663627181805E-06 700 ± 0.2		
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.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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584786 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5		
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 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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584786 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5 20 ± 0.04		
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 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_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_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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 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_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.RtrVel_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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 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		
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.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.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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20 100 60000 60000 60000 4294967295	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 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 4294967295		
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.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.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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 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 4294967295 4294967295		
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.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.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	255 20 100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20 100 60000 60000 60000 4294967295	20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 2 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 4294967295		



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	✓
VehDvn SLPHwPos HwDea M f32	0	0	_

T				
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		
	tgt GetSystemTime mS u32 Current	Time	
GetSystemTime_mS_u32(CurrentTime)			
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 16.8675175		
:_AutoCntrHiSpdCntrWindow_HwDeg_f32	0.00499999989		
<_AutoCntrHiSpdFilt1Kn_Hz_f32			
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		
x_AutoCntrHiSpdTimer4_mS_u16	47307		
<_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		
x_AutoCntrLoSpdTimer1_mS_u16	49475		
:_AutoCntrLoSpdTimer2_mS_u16	38708		
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
s_SLPEnableBFCheck_Cnt_lgc	0		
c_SLPHwAuthority_Uls_f32	0.00120000006		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795		
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg	c 0		
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
gt_GetSystemTime_mS_u32_CurrentTime	1720406272		
lame	Actual Value	Expected Value	Re
	Actual Value 577.715271	Expected Value 577.715271 ± 0.2	Re
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		· ·	Re
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	577.715271	577.715271 ± 0.2	Re
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	577.715271 69.9332428	577.715271 ± 0.2 69.9332428 ± 0.5	Re
/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	577.715271 69.9332428 18.6059322	577.715271 ± 0.2 69.9332428 ± 0.5 18.6059322 ± 0.04	Re
/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 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	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
/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 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	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
/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 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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
/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 /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	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
/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 /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	577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465	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	Re
/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 /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	577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.0008164644424	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
/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 /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.MtrVel_MtrRadpS_f32	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
/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 /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.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424 511.249969 119.398392	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	Re
/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 /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.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	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
/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 /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.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.000816464424 511.249969 119.398392 2.49991417 16.8675175	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	Re
rehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 rehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 rehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 rehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 rehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 rehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 rehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	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	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	Re
rehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 rehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 rehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 rehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 rehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 rehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 rehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 rehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	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	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	Re
rehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 rehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 rehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 rehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 rehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 rehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrHiSpd_M_str.Timer1_HwNm_f32 rehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 rehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 rehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	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	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	Re
rehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 rehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 rehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 rehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 rehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 rehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 rehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 rehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 rehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 rehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 rehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 rehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 rehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 rehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	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
/ehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_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.RelHwPosFitl1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl3SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NetPd_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.PitPinTrq_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.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.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	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 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-06 511.249969 ± 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	Re
/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.RelHwPosFitl1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFitl2SV_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.Timer2Thresh_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.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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	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 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 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	Re
/ehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 /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.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_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.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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	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 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 $0.000439726253 \pm 1.25663627181805E-06$ $0.000816480606 \pm 1.25663627181805E-06$ 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 1720406272 $6.28298803e-005 \pm 1.25663627181805E-06$ $9.80128898e-005 \pm 1.25663627181805E-06$ 0 ± 0.2	Re
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.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.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.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_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.00081644424 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 0.000439726253 ± 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	Re
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.Timer2_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.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.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.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	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 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
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.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.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.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.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.VehSpd_kph_f32	577.715271 69.9332428 18.6059322 47.1357269 19956 47307 1720406272 1720406272 0.000439703465 0.00081644424 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 0.000439726253 ± 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	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	~

Т				
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	



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	~

Т				
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 2.5 (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	33.3349724	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0299999993	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	59.5372696	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.59798193	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	156.923325	
k_AutoCntrHiSpdTimer1_mS_u16	55627	
k_AutoCntrHiSpdTimer2_mS_u16	3333	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	35.0511017	
x_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	556.066528	
<_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
c_AutoCntrHiSpdTimer4VehSpd_kph_f32	255	
<_AutoCntrHiSpdTimer4_mS_u16	4578	
_AutoCntrLoSpdCntrWindow_HwDeg_f32	100	
c_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	
c_AutoCntrLoSpdTimer1_mS_u16	53759	
 AutoCntrLoSpdTimer2 mS u16 	18715	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k SLPEnableBFCheck Cnt lgc	0	
k SLPHwAuthority Uls f32	0.0143999998	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1377.08203	
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1	
rarget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
rarget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
gt_GetSystemTime_mS_u32_CurrentTime	2942063360	
		l
Name	Actual Value Expected Value	Resi
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	556.066528 556.066528 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255 255 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	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	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	4578 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360 2942063360	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2942063360 2942063360	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000841617584 0.000841592497 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	59.5372696 59.5372696 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.923325 156.923325 ± 0.5	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.59798193 4.59798193 ± 0.04	
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	33.3349724 ± 0.0625	
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	55627 ± 2	
	3333 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16		
VenDyn_AutoCntrHiSpd_M_str.Timer2+firesn_fils_u+6 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	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	~

Т				
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 2.6 (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	0.0089999961	
<_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	
AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	50.4557152	
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	578.624756	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	10.2086525	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	182.197632	
 AutoCntrHiSpdTimer4 mS u16 	27106	
 AutoCntrLoSpdCntrWindow HwDeg f32 	56.4612427	
 AutoCntrLoSpdFilt1Kn Hz f32 	0.00899999961	
< AutoCntrLoSpdFilt2Kn Hz f32	0.00899999961	
AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	30	
 AutoCntrLoSpdTimer1PinTrq HwNm f32 	3	
AutoCntrLoSpdTimer1VehSpd kph f32	123.501587	
k AutoCntrLoSpdTimer1 mS u16	29729	
AutoCntrLoSpdTimer2 mS u16	2000	
 AutoCntrPinTrgLPFCoeffKn Hz f32 	0.00200000009	
SLPEnableBFCheck Cnt lgc	1	
SLPHwAuthority Uls f32	0.113399997	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1016.58698	
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	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	2728878080	
Name	Actual Value Expected Value	Resi
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	578.624756 578.624756 ± 0.2	1100
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	182.197632 182.197632 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.2086525 10.2086525 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.2080325 ± 0.04 50.4557152 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37774 37774 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27106 27106 ± 2	
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	2728878080 2728878080	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_m3_d32	2728878080 2728878080	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181805E-0	3
/ehDyn_AutoChtrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25063627181805E-0	
/enDyn_AutoCntrbetSpd_M_str.ReinwPosFili25v_nwbeg_str.K_bis_i32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	192.424347 192.424347 192.424347 192.424347	
/enDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32	192.424347 ± 0.2 193.415466 ± 0.5	
/enDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	193.415466 ± 0.5 1.4601928	
veneyn_nateonti nopu_ivi_st.i itt iii i iq_\piviviii_loz	1.400 1920 I U.U4	



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 Igc)	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	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 wS 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	0.0049999989	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	202	
k AutoCntrLoSpdTimer1PinTrq 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	
k SLPEnableBFCheck Cnt Igc	1	
k SLPHwAuthority Uls f32	0.0209999997	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1353.04895	
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0	
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	1117112832	
		l
Name	Actual Value Expected Value	Resu
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 4.91284609 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26438 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14136 14136 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832 1117112832	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1117112832 1117112832	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06	5
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498.457764 498.457764 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	153.084564	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20 20 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.3896027 96.3896027 ± 0.0625	1
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26438 ± 2	
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	4444 ± 2	



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	•
VehDvn AutoCntrLoSpd M str.FiltPinTra HwNm f32	15.8976202	15.8976202 ± 0.04	✓



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	~

Т				
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	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	~

Т				
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		
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	0.0399999991		
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		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgctributers and the properties of the properties o$	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688		
Name	Actual Value	Expected Value	Resul
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	~

T				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 2.11 (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 k AutoCntrHiSpdCntrWindow HwDeq f32	target_Rte_Inst_Ap_VehDyn_2 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 AutoCntrLoSpdTimer1PinTrg HwNm f32	0	
k AutoCntrLoSpdTimer1VehSpd kph f32	65.6970062	
k AutoCntrLoSpdTimer1 mS u16	21335	
k AutoCntrLoSpdTimer2 mS u16	34188	
k AutoCntrDosporimer2_ms_u16 k AutoCntrPinTrqLPFCoeffKn Hz f32	0.00899999961	
k SLPEnableBFCheck Cnt lgc	0	
k_SLPHwAuthority_Uls_f32	0.0408000015	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1280.94995	
	1	
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	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3494315776	I
Name	Actual Value Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	39.6259003 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	184.136215 184.136215 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.01894903 6.01894903 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	27.8338795 27.8338795 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	14014 14014 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22354 22354 ± 2	•
	3494315776 3494315776	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0404045770	· •
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3494315776 3494315776	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000376939774 0.00037692007 ± 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	0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 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	0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 123.465202 123.465202 ± 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	0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 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	0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 10.8994331 10.8994331 ± 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	$\begin{array}{cccc} 0.000376939774 & 0.00037692007 \pm 1.25663627181805E-06 \\ 0.000791370869 & 0.000791368075 \pm 1.25663627181805E-06 \\ 123.465202 & 123.465202 \pm 0.2 \\ 82.6047821 & 82.6047821 \pm 0.5 \\ 10.8994331 & 10.8994331 \pm 0.04 \\ 8.86355877 & 8.86355877 \pm 0.0625 \end{array}$	
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.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccc} 0.000376939774 & 0.00037692007 \pm 1.25663627181805E-06 \\ 0.000791370869 & 0.000791368075 \pm 1.25663627181805E-06 \\ 123.465202 & 123.465202 \pm 0.2 \\ 82.6047821 & 82.6047821 \pm 0.5 \\ 10.8994331 & 10.8994331 \pm 0.04 \\ 8.86355877 & 8.86355877 \pm 0.0625 \\ 14014 & 14014 \pm 2 \end{array}$	
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.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_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.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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.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.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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.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.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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.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.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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.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.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_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.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.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.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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 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_u20 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_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.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_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.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.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.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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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.Wel_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.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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit3SV_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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_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.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.Timer2TneS_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.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_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.Timer2Thresh_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_Uls_f32	0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 10.8994331 10.8994331 ± 0.04 8.86355877 8.86355877 ± 0.0625 14014 14014 ± 2 7777 7777 ± 2 3494315776 3494315776 0.000113070011 0.000113090937 ± 1.25663627181805E-06 0 0.00031410993 ± 1.25663627181805E-06 9 9 ± 0.2 65.6970062 65.6970062 ± 0.5 0 0 ± 0.04 99.932251 99.932251 ± 0.0625 21335 21335 ± 2 3494315776 3494315776 3494315776 3494315776	
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Τ				✓
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	26.9095516		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	162.400772		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.9627428		
k AutoCntrHiSpdTimer1VehSpd kph f32	114.852692		
- '-'-	48224		
k_AutoCntrHiSpdTimer1_mS_u16	8888		
k_AutoCntrHiSpdTimer2_mS_u16			
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	Resul	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	585.574707 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	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	162.400772 162.400772 ± 0.2	٠,	
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	114.852692 ± 0.5		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.9627428		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625	•	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2		
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	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2		
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	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816		
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	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 463842816 463842816		
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	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-	06	
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	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-0.000791370869 0.000791370869 0.000791368075 ± 1.25663627181805E-0.000791368075 ± 0.000791	06	
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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-0.000791370869 0.000791370869 0.000791368075 ± 1.25663627181805E-533	06	
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_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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-0.000791370869 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5	06	
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.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	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-0.000791370869 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 20 20 ± 0.04	06	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E- 0.000791370869 0.000791368075 ± 1.25663627181805E- 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 20 20 ± 0.04 26.1026459 26.1026459 ± 0.0625	06	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_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_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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	06	
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.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	$\begin{array}{c} 14.9627428 & 14.9627428 \pm 0.04 \\ 26.9095516 & 26.9095516 \pm 0.0625 \\ 48224 & 48224 \pm 2 \\ 8888 & 8888 \pm 2 \\ 463842816 & 463842816 \\ 463842816 & 463842816 \\ 0.000432193279 & 0.000432189729 \pm 1.25663627181805E-533 & 533 \pm 0.2 \\ 23.0135193 & 23.0135193 \pm 0.5 \\ 20 & 20 \pm 0.04 \\ 26.1026459 & 12258 \pm 2 \\ 36416 & 36416 \pm 2 \\ \end{array}$	006	
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.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.Witvel_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	$\begin{array}{c} 14.9627428 & 14.9627428 \pm 0.04 \\ 26.9095516 & 26.9095516 \pm 0.0625 \\ 48224 & 48224 \pm 2 \\ 8888 & 8888 \pm 2 \\ 463842816 & 463842816 \\ 463842816 & 463842816 \\ 0.000432193279 & 0.000432189729 \pm 1.25663627181805E-0.000791370869 & 0.000791368075 \pm 1.25663627181805E-533 & 533 \pm 0.2 \\ 23.0135193 & 23.0135193 \pm 0.5 \\ 20 & 20 \pm 0.04 \\ 26.1026459 & 26.1026459 \pm 0.0625 \\ 12258 & 12258 \pm 2 \\ 36416 & 36416 \pm 2 \\ 463842816 & 463842816 \end{array}$	006	
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.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.Timer1_mS_u32	14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-0.000791370869 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 20 20 ± 0.04 26.1026459 26.1026459 ± 0.0625 12258 12258 ± 2 36416 36416 ± 2 463842816 463842816 463842816 463842816	006	
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_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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	$\begin{array}{c} 14.9627428 & 14.9627428 \pm 0.04 \\ 26.9095516 & 26.9095516 \pm 0.0625 \\ 48224 & 48224 \pm 2 \\ 8888 & 8888 \pm 2 \\ 463842816 & 463842816 \\ 463842816 & 463842816 \\ 0.000432193279 & 0.000432189729 \pm 1.25663627181805E-0.000791370869 & 0.000791368075 \pm 1.25663627181805E-533 & 533 \pm 0.2 \\ 23.0135193 & 23.0135193 \pm 0.5 \\ 20 & 20 \pm 0.04 \\ 26.1026459 & 26.1026459 \pm 0.0625 \\ 12258 & 12258 \pm 2 \\ 36416 & 36416 \pm 2 \\ 463842816 & 463842816 \end{array}$	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	•
VehDvn SLPHwPos HwDea M f32	0	0	✓

Τ				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_Current	Time	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiag	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
_AutoCntrHiSpdCntrWindow_HwDeg_f32	49.6496849		
_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0458000004		
_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009		
_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	546.656738		
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.7334461		
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	136.718338		
<_AutoCntrHiSpdTimer1_mS_u16	4828		
x_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		
C_AutoCntrLoSpdCntrWindow_HwDeg_f32	17.6228924		
<pre>c_AutoCntrLoSpdFilt1Kn_Hz_f32</pre>	0.00499999989		
 <_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
<pre>c_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32</pre>	570		
<pre>c_autoCntrLoSpdTimer1PinTrq_HwNm_f32</pre>	7.05000019		
AutoCntrLoSpdTimer1VehSpd kph f32	7.9233551		
AutoCntrLoSpdTimer1 mS u16	34738		
AutoCntrLoSpdTimer2 mS u16	36612		
AutoCntrPinTrgLPFCoeffKn Hz f32	0.0458000004		
SLPEnableBFCheck Cnt lgc	0		
k SLPHwAuthority Uls f32	0.0540000014		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1232.88403		
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	1759885568		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	689.916992	689.916992 ± 0.2	rtesu
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	223.376236	223.376236 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.30665016	9.30665016 ± 0.04	
		33.7199783 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33.7199783 4828	4828 ± 2	
· - · ·	49523	49523 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	1759885568		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		1759885568	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1759885568	1759885568	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
/ehDyn_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	546.656738	546.656738 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.718338	136.718338 ± 0.5	•
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	11.7334461	11.7334461 ± 0.04	•
, - ,		49.6496849 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	49.6496849		
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	4828	4828 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4828 9999	9999 ± 2	•
/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	4828 9999 1759885568	9999 ± 2 1759885568	•
/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	4828 9999 1759885568 1759885568	9999 ± 2 1759885568 1759885568	•
/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.Timer2_mS_u32	4828 9999 1759885568 1759885568 0.000575363636	9999 ± 2 1759885568 1759885568 0.000575374172 ± 1.25663627181805E-06	
/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	4828 9999 1759885568 1759885568 0.000575363636 2.51531601e-005	9999 ± 2 1759885568 1759885568 0.000575374172 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06	•
/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_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	4828 9999 1759885568 1759885568 0.000575363636	9999 ± 2 1759885568 1759885568 0.000575374172 ± 1.25663627181805E-06	
/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.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	4828 9999 1759885568 1759885568 0.000575363636 2.51531601e-005	9999 ± 2 1759885568 1759885568 0.000575374172 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06	
/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.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_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	4828 9999 1759885568 1759885568 0.000575363636 2.51531601e-005 570	9999 ± 2 1759885568 1759885568 0.000575374172 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 570 ± 0.2	
, - ,	4828 9999 1759885568 1759885568 0.000575363636 2.51531601e-005 570 7.9233551	9999 ± 2 1759885568 1759885568 0.000575374172 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 570 ± 0.2 7.9233551 ± 0.5	
/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.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_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4828 9999 1759885568 1759885568 0.000575363636 2.51531601e-005 570 7.9233551 7.05000019	9999 ± 2 1759885568 1759885568 0.000575374172 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 570 ± 0.2 7.9233551 ± 0.5 7.05000019 ± 0.04	



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	~

T				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 2.14 (Repeat Count = 1)			y
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		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	_Genvi Onchive_ivi Onchive_i ii_i_ige	
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 AutoCntrHiSpdTimer4PinTrg 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 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
	32.7761002	32.7761002 ± 0.2	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	38.1457062	38.1457062 ± 0.5	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	2.07399654	2.07399654 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	78.1467133	78.1467133 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16138	16138 ± 2	
		46166 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46166		
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 7.53953791e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	79.877243	79.877243 ± 0.2	Y
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	V
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	V
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	V
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	450 600040	450 600040 + 0 5	
101.5/1/ tatoona 200pa_m_oatonopa_tpn_io2	150.688919	150.688919 ± 0.5	~



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	~
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	~

Τ				
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) 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	0.0049999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989	
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	
x_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	
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	19.0077152	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	82.6157227	
k_AutoCntrLoSpdTimer1_mS_u16	37799	
k_AutoCntrLoSpdTimer2_mS_u16	41632	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0049999989	
k_SLPEnableBFCheck_Cnt_lgc	1	
k SLPHwAuthority Uls f32	0.0606000014	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1208.85095	
arget 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	1662097408	
Name	Actual Value Expected Value	Resi
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	13.5116568 13.5116568 ± 0.2	IXCS
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	200.00708 200.00708 ± 0.5	
	14.3859873 14.3859873 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32		
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	84.8904648	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13561 13561 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3778 3778 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1662097408	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1662097408 1662097408	
VehDyn_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	6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	650.888245 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	83.2932739 83.2932739 ± 0.5	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.2269373 14.2269373 ± 0.04	
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.9824524 97.9824524 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13561 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	11110 11110 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408 1662097408	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1662097408 1662097408	



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	~

T					
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	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 AutoCntrLoSpdTimer1PinTrg 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_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset	
tgt GetSystemTime mS u32 CurrentTime	2127166208	
Name	Actual Value Expected Value	Resu
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	460.300537 460.300537 ± 0.2	Noou
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	118.848923 118.848923 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32	5.9040184 5.9040184 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	71.4314346 71.4314346 ± 0.0625	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	2974 2974 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer?Thresh_mS_u16	41925 41925 41925 + 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208 2127166208	
VehDyn_AutoChtrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2127166208 2127166208	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uis_i32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_i32	0.000314110993 ± 1.25063627161605E-06 0.000403285027 0.000403299142 ± 1.25663627181805E-0	
VehDyn_AutoCntrDetSpd_in_str.ReinwPosFilizSv_nwDeg_str.K_Dis_i32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	203.632965 203.632965 ± 0.2	0
VehDyn_AutoCntrHiSpd_M_str.WilVel_MilradpS_132 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	203.032905 ± 0.2 127.052841 ± 0.5	
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	~

Т					
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_	GetNTCActive_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		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.0500031		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0399999991		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	290		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.74961567		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	76.098053		
k_AutoCntrLoSpdTimer1_mS_u16	3658		
k_AutoCntrLoSpdTimer2_mS_u16	5853		
k AutoCntrPinTrgLPFCoeffKn 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 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	4243378688		
Name	Actual Value	Expected Value	Resul
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.FiltPinTrg_HwNm_f32	20	20 ± 0.04	
	89.3387299	89.3387299 ± 0.0625	
		00.0001200 ± 0.0020	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32		14150 + 2	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	14150	14150 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14150 40995	40995 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	14150		



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	~

T				✓
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 Curren	tTime	
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	22a	,-
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 AutoCntrHiSpdTimer1PinTrg 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 AutoCntrHiSpdTimer4PinTrg 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	Resul
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	~

T				✓
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)	Innut Value		
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		agMgr_GetNTCActive_NTCActive_Ptr_T_I	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 Igo	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1050692864		
Name	Actual Value	Expected Value	Resu
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	•

T					
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)	tat 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	41.6642952
k AutoCntrHiSpdFilt1Kn Hz f32	0.00200000009
k AutoCntrHiSpdFilt2Kn Hz f32	0.00899999961
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	338.634766
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68194199
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	18.1331787
k_AutoCntrHiSpdTimer1_mS_u16	42430
k_AutoCntrHiSpdTimer2_mS_u16	15554
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	11.2356644
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	269.545135
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.7515726
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	62.7014771
k_AutoCntrHiSpdTimer4_mS_u16	28023
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	11.1490717
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0049999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0560000017
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	554
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	123.001526
k_AutoCntrLoSpdTimer1_mS_u16	60000
k_AutoCntrLoSpdTimer2_mS_u16	49369
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.0869999975
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1112.71899
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg	c 0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset



Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680		
Name	Actual Value	Expected Value	Result
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	✓
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	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	15554	15554 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3039943680	3039943680	~
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	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	11.1490717	11.1490717 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	49369	49369 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3039943680	3039943680	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3039943680	3039943680	~
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	-

T				
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 ± 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	06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	339.617279 339.617279 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	83.5956268 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	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 ± 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 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	65.1780853	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7432442 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	11.0835915 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	500 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	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	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	

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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)	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
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		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192		
Name	Actual Value	Expected Value	Resul
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	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	44.8276367	44.8276367 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53799	53799 ± 2	
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	

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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 2.23 (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_Uls_f32	0.106799997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1040.62		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgctrices and the property of the propert$	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	V
VehDyn AutoCntrDetSpd M str.FiltPinTrg 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.FiltPinTrg 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.FiltPinTrg 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	_

T ✓				
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



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 Igc	1		
k SLPHwAuthority Uls 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 Igc	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_AutoChtrDetSpd_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	,
· - · - ·		1.4601926 ± 0.04 85.3555756 ± 0.0625	· ·
VehDyn_AutoCotrl ISad_M_str.CntrWindow_HwDeg_f32	85.3555756 37774	37774 ± 2	,
VehDyn_AutoCotrlHiSpd_M_str.Timer1Thresh_mS_u16	•		•
VehDyn_AutoCotrl ISad_M_str.Timer2Thresh_mS_u16	19998	19998 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	V
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2728878080 2.51531601e-005	2728878080 2.51324254e-005 ± 1.25663627181805E-06	,
VehDyn_AutoCotrl ISSad_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		,
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	39.4220428	39.4220428 ± 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	V
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.4612427	56.4612427 ± 0.0625	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29729	29729 ± 2	V
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	2000	2000 ± 2	*
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	*
VehDyn_AutoCotrl oSpd_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	V
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	V
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Т				
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	



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	0.00499999989		
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.venSpd_kpri_isz VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32			
, =	3.52301908 31.4061165	3.52301908 ± 0.04 31.4061165 ± 0.0625	-
VehDyn_AutoCottrLoSpd_M_str.CntrWindow_HwDeg_f32		58388 ± 2	
VehDyn_AutoCottrLoSpd_M_str.Timer1Thresh_mS_u16	58388		_
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	25970	25970 ± 2	· ·
VehDyn_AutoCotrl oSpd_M_str.Timer1_mS_u32	824746752	824746752	- 4
VehDyn_AutoCottrLoSpd_M_str.Timer2_mS_u32	824746752	824746752	· ·
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	0.000291526318	0.000291497301 ± 1.25663627181805E-06	V
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	V
VehDyn_SLPHwAuth_Uls_M_f32	0.119999997	0.119999997	V
VehDyn_SLPHwPos_HwDeg_M_f32	992.554016	992.554016	_

Т				
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



Innut Value		
•		
81.0852356		
20609		
29.8536549		
0.100000001		
0.00249999994		
255.177094		
3.44891739		
221.320831		
46162		
50158		
0.00520000001		
1		
0.126599997		
968.520996		
0		
1		
target_Pim_MotPosReset		
309385728		
Actual Value	Expected Value	Result
155.820129	155.820129 ± 0.2	~
81.0852356	81.0852356 ± 0.5	~
2.29925823	2.29925823 ± 0.04	~
68.7160416	68.7160416 ± 0.0625	~
58454	58454 ± 2	~
		~
		~
		~
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		-
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-		
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		_
		~
		_
		~
		~
		~
309385728	309385728	~
	309385728	~
0.00125586987	0.00125584786 ± 1.25663627181805E-06	✓
	0.00125584786 ± 1.25663627181805E-06 3.14154313e-005 ± 1.25663627181805E-06	
0.00125586987		~
0.00125586987 3.14116478e-005	3.14154313e-005 ± 1.25663627181805E-06	~
	20609 29.8536549 0.100000001 0.00249999994 255.177094 3.44891739 221.320831 46162 50158 0.00520000001 1 0.126599997 968.520996 0 1 target_Pim_MotPosReset 309385728 Actual Value 155.820129 81.0852356 2.29925823 68.7160416 58454 20609 309385728 0.00125586987 3.14116478e-005 602.94635 221.670746 10.0753288 3.12775111 58454 22220 309385728 0.0039385728 309385728 309385728 30938578 0.00125586987 3.14116478e-005 602.94635 221.670746 10.0753288 3.12775111 58454 22220 309385728 6.53266907e-005 0.000791370869 255.177094 221.320831 3.44891739 29.8536549 46162 50158	10.0753288 221670746 58454 22220 68.7160416 155.820129 22.9925823 81.0852356 20609 29.8536549 0.100000001 0.00249999994 255.177094 3.1415478e-005 3.1415478e-005 3.1415478e-005 3.1415478e-005 3.1415478e-005 3.1415478e-005 3.1415478e-005 3.1415478e-005 3.14176478e-005 3.1

T			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	
<_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	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_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	4164171008	
Name	Actual Value Expected Value	Result
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	V
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	
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 ± 0.0625	V
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16138 16138 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	23331 23331 ± 2	V
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 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	150.688919 150.688919 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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 ± 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_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.000954568386 0.000954588235 ± 1.25663627181805E-06 0.133200005 0.133200005 944.487976 944.487976	,

T				
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	
AutoCntrHiSpdCntrWindow HwDeg f32	37.7641106	
AutoCntrHiSpdFilt1Kn Hz f32	0.0225000009	
AutoCntrHiSpdFilt2Kn Hz f32	0.0049999989	
x_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	12.4052467	
	16.2494946	
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32		
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.530762	
<_AutoCntrHiSpdTimer1_mS_u16	18642	
<_AutoCntrHiSpdTimer2_mS_u16	24442	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.24184275	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	638.897888	
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	0.00019999995	
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_lgc	1	
k SLPHwAuthority Uls f32	0.139799997	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	920.455017	
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	437658624	
Name		Res
	·	Ne:
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	638.897888	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	82.6361694 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.65499401 $\qquad \qquad 7.65499401 \pm 0.04$	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.24184275 5.24184275 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	18642 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51569 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 0.000439726253 ± 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	12.4052467	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.530762 168.530762 ± 0.5	
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	16.2494946 ± 0.04	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	37.7641106 ± 0.0625	
, _ ,	18642 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	18642 ± 2 24442 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	24442 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	24442 24442 ± 2 437658624 437658624	
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	24442 24442 ± 2 437658624 437658624 437658624 437658624	
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_UIs_f32	24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06	
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	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.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	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	
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	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.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_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	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.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	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	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	
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	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	
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	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	
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 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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	
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 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	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	
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_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.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_Uls_f32	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 437658624 437658624	
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.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 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	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 0.000439703465 0.000439726253 ± 1.25663627181805E-06	
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_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.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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	



Τ					
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 2.29 (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	39.3153801	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0491000004	
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	349.296539	
- · · · · · · · · · · · · · · · · · · ·	1.81056666	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 k_AutoCntrHiSpdTimer1VehSpd_kph_f32	65.5278778	
k_AutoCntrHiSpdTimer1_mS_u16	35706	
k_AutoCntrHiSpdTimer2_mS_u16	25553	
<_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	23.2325249	
<_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	344.000977	
<_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	1.13386405	
<_AutoCntrHiSpdTimer4VehSpd_kph_f32	122.149155	
<_AutoCntrHiSpdTimer4_mS_u16	10394	
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	37.9574203	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0560000017	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.100000001	
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	37.5066719	
x_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	2.22880888	
c_AutoCntrLoSpdTimer1VehSpd_kph_f32	237.538071	
<_AutoCntrLoSpdTimer1_mS_u16	32821	
<_AutoCntrLoSpdTimer2_mS_u16	53946	
C_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001	
c_SLPEnableBFCheck_Cnt_lgc	0	
c_SLPHwAuthority_Uls_f32	0.146400005	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	896.421997	
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	Res
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	344.000977 344.000977 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	122.149155	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.13386405	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.2325249 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	35706 35706 ± 2	
/ehDvn_AutoCntrDetSnd_M_str_Timer2Thresh_mS_u16	10394 + 2	
	10394 ± 2 3041357312 3041357312	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312 3941357312	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3941357312 3941357312 3941357312 3941357312	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00	
/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	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00	
/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.MtrVel_MtrRadpS_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 349.296539 ± 0.2	
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	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5	
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	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04	
/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.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 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.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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	
/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.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	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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 25553 25553 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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 25553 25553 ± 2 3941357312 3941357312	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.Timer1_mS_u32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312	
/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.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.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-0 0.00125586987 0.00125584786 ± 1.25663627181805E-0 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0	06
/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.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.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0 0.000616788864 0.000616818492 ± 1.25663627181805E-0	06
/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.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.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-0 0.00125586987 0.00125584786 ± 1.25663627181805E-0 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0	06
/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.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.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0 0.000616788864 0.000616818492 ± 1.25663627181805E-0	06
/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.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.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	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-0 0.00125586987 0.00125584786 ± 1.25663627181805E-0 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0 0.000616788864 0.000616818492 ± 1.25663627181805E-0 37.5066719 37.5066719 ± 0.2	06
/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.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.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-0 0.00125586987 0.00125584786 ± 1.25663627181805E-0 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0 0.000616788864 0.000616818492 ± 1.25663627181805E-0 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5	06
/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.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.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.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.NehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-0 0.00125586987 0.00125584786 ± 1.25663627181805E-0 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0 0.000616788864 0.000616818492 ± 1.25663627181805E-0 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.22880888 ± 0.04	06
/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.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.YehSpd_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.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_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.WehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.YehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-0 0.00125586987 0.00125584786 ± 1.25663627181805E-0 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0 0.000616788864 0.000616818492 ± 1.25663627181805E-0 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.22880888 ± 0.04 37.9574203 37.9574203 ± 0.0625	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.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.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.NtrVel_MtrRadpS_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0 0.000616788864 0.000618818492 ± 1.25663627181805E-0 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.22880888 ± 0.04 37.9574203 37.9574203 ± 0.0625 32821 32821 ± 2	06
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.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.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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_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	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-4 0.000616788864 0.000616818492 ± 1.25663627181805E-4 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.22880888 ± 0.04 37.9574203 37.9574203 ± 0.0625 32821 53946 ± 2	06
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.WtrVel_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Desptit1SV_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.MtrVel_MtrRadpS_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.Timer1Thresh_mS_u16	3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 349.296539 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 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.25663627181805E-0 0.000616788864 0.000616818492 ± 1.25663627181805E-0 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.22880888 ± 0.04 37.9574203 37.9574203 ± 0.0625 3941357312 3941357312	06



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	-

Т				
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	.90
k AutoCntrHiSpdCntrWindow HwDeg f32	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k AutoCntrHiSpdFilt2Kn Hz f32	0.00899999961	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	643.884338	
k AutoCntrHiSpdTimer1PinTrg 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	
AutoCntrHiSpdTimer4VehSpd kph f32	236.657074	
k AutoCntrHiSpdTimer4 mS u16	25061	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	40.504673	
<_AutoCntrLoSpdCrittViridow_nwbeg_is2 <_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0670000017	
AutoCntrLoSpdFilt2Kn Hz f32	0.000500000017	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	415.313232	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.79858875	
	84.7403259	
<_AutoCntrLoSpdTimer1VehSpd_kph_f32 < AutoCntrLoSpdTimer1 mS u16	40437	
AutoCntrLoSpdTimer2 mS u16	13059	
	0.00200000009	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	1	
<_SLPEnableBFCheck_Cnt_lgc		
k_SLPHwAuthority_UIs_f32	0.152999997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	872.388977	
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	
tet 0-10 orton Time and 0-00 Orton Time		
	3304439296	
Name	3304439296 Actual Value Expected Value	Resul
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	3304439296 Actual Value	•
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	3304439296 Actual Value 469.973907 236.657074 Expected Value 469.973907 ± 0.2 236.657074 ± 0.5	•
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	3304439296 Actual Value 469.973907 236.657074 20 20 20 20 20 20 20 20 20 2	•
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3304439296 Actual Value 469.973907 236.657074 Expected Value 469.973907 ± 0.2 236.657074 ± 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	3304439296 Actual Value 469.973907 236.657074 20 20 20 20 20 20 20 20 20 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	3304439296 Actual Value 469.973907 236.657074 20 20 20±0.04 60.1197929 Expected Value 469.973907 ± 0.2 236.657074 ± 0.5 20 20±0.04	,
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	3304439296 Actual Value 469.973907 236.657074 20 20 ± 0.04 60.1197929 57034 Expected Value 469.973907 ± 0.2 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 ± 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 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3304439296 Actual Value 469.973907 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061	
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	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296	
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.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3304439296 Actual Value 469.973907 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296	81805E-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.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	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271	81805E-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_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	3304439296 Actual Value 469.973907 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 3304439296 0.000841617584 6.2584877e-006 6.28316548e-006 ± 1.256636274	81805E-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.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	3304439296 Actual Value 469.973907 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 0.000841617584 6.2584877e-006 6.28316548e-006 ± 1.256636274 6.43.884338 643.884338 ± 0.2	81805E-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.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3304439296 Actual Value 469.973907 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 643.884338 643.884338 643.884338 123.333405 ± 0.5	81805E-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.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_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 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	3304439296 Actual Value 469.973907 469.973907 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.2584877e-006 643.884338 643.884338 643.884338 623.333405 123.333405 7.05844259 7.05844259 ± 0.04	81805E-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.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 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.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.2584877e-006 6.28316548e-006 ± 1.256636271 643.884338 643.884338 ± 0.2 123.333405 123.333405 ± 0.5 7.05844259 7.05844259 ± 0.04 100 100 ± 0.0625	81805E-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_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_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.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 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	3304439296 Actual Value 469.973907 469.973907 ± 0.2 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 ± 0.0625 57034 ± 2 25061 ± 2 3304439296 3304439296 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338	81805E-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_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 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.CntrWindow_HwDeg_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	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.2584877e-006 6.28316548e-006 ± 1.256636271 643.884338 643.884338 ± 0.2 123.333405 123.333405 ± 0.5 7.05844259 7.05844259 ± 0.04 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 ± 2	81805E-06 181805E-06
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.PitlPinTrq_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.VehSpd_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.2584877e-006 6.28316548e-006 ± 1.256636271 643.884338 643.884338 ± 0.2 123.333405 123.333405 ± 0.5 7.05844259 7.05844259 ± 0.04 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 ± 2 3304439296 3304439296	81805E-06 181805E-06
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.PitlPinTrq_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_AutoCntrDetSpd_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.Timer1_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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.2584877e-006 6.28316548e-006 ± 1.256636274 6.43.884338 643.884338 ± 0.2 123.333405 123.333405 ± 0.5 7.05844259 7.05844259 ± 0.04 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 ± 2 3304439296 3304439296 3304439296 3304439296	81805E-06 181805E-06
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.PtiltPinTrq_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.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.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.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	3304439296 Actual Value 469.973907 469.973907 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 0.000841617584 6.2584877e-006 6.28316548e-006 ± 1.256636271 6.43.884338 643.884338 123.333405 7.05844259 7.05844259 100 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 ± 2 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 2.51531601e-005	81805E-06 181805E-06
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.PtiltPinTrq_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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_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.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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.2584877e-006 6.28316548e-006 ± 1.256636274 643.884338 643.884338 ± 0.2 123.333405 7.05844259 ± 0.04 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 ± 2 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 2.51531601e-005 2.51324254e-005 ± 1.256636271 415.313232 415.313232 ± 0.2	81805E-06 181805E-06 181805E-06 81805E-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_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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.2584877e-006 6.28316548e-006 ± 1.25663627 643.884338 643.884338 ± 0.2 123.333405 7.05844259 ± 0.04 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 ± 2 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 2.51531601e-005 2.51324254e-005 ± 1.256636271 415.313232 415.313232 ± 0.2 84.7403259 ± 0.5	81805E-06 181805E-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.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.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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32	Actual Value Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.28316548e-006 ± 1.25663627 643.884338 643.884338 643.884338 ± 0.2 123.333405 7.05844259 ± 0.04 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 ± 2 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 2.51531601e-005 2.51324254e-005 ± 1.256636271 415.313232 415.313232 ± 0.2 84.7403259 ± 0.5 5.79858875 ± 0.04	81805E-06 181805E-06 181805E-06 81805E-06
Name 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.Timer2Thresh_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.NelHwPosFilt2SV_HwDeg_str.K_UIs_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.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_UIs_f32 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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3304439296 Expected Value 469.973907 469.973907 ± 0.2 236.657074 236.657074 ± 0.5 20 20 ± 0.04 60.1197929 60.1197929 ± 0.0625 57034 57034 ± 2 25061 25061 ± 2 3304439296 3304439296 0.000841617584 0.000841592497 ± 1.256636271 6.2584877e-006 6.28316548e-006 ± 1.25663627 643.884338 643.884338 ± 0.2 123.333405 7.05844259 ± 0.04 100 100 ± 0.0625 57034 57034 ± 2 26664 26664 ± 2 3304439296 3304439296 3304439296 3304439296 3304439296 3304439296 2.51531601e-005 2.51324254e-005 ± 1.256636271 415.313232 415.313232 ± 0.2 84.7403259 ± 0.5	81805E-06 181805E-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	✓

Т				
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 2.31 (Repeat Count = 1)	✓
Name	



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	~

Τ				
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	
	824.322998	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	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	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	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.8331146 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42810 ± 2	'
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	10213 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3714197504 3714197504	
	3714197504 3714197504	
VehDyn_AutoCntrDetSpd_M_str. I imer2_mS_u32		3
	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-06 0.000540196896 0.000540207955 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_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.MtrVel_MtrRadpS_f32	0.000540196896 0.000540207955 ± 1.25663627181805E-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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0.000540196896 0.000540207955 ± 1.25663627181805E-06 609.83606 609.83606 ± 0.2 158.11969 158.11969 ± 0.5	
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	0.000540196896 0.000540207955 ± 1.25663627181805E-06 609.83606 609.83606 ± 0.2 158.11969 158.11969 ± 0.5 3.01206732 3.01206756 ± 0.04	
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	0.000540196896 0.000540207955 ± 1.25663627181805E-06 609.83606 609.83606 ± 0.2 158.11969 158.11969 ± 0.5 3.01206732 3.01206756 ± 0.04 84.4737091 84.4737091 ± 0.0625	,
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	0.000540196896 0.000540207955 ± 1.25663627181805E-06 609.83606 609.83606 ± 0.2 158.11969 158.11969 ± 0.5 3.01206732 3.01206756 ± 0.04 84.4737091 84.4737091 ± 0.0625 42810 42810 ± 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	0.000540196896 0.000540207955 ± 1.25663627181805E-06 609.83606 609.83606 ± 0.2 158.11969 158.11969 ± 0.5 3.01206732 3.01206756 ± 0.04 84.4737091 84.4737091 ± 0.0625	



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	~

T					
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_0	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		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	579.395874		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.52602291		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	32.8235931		
k_AutoCntrHiSpdTimer1_mS_u16	20288		
<_AutoCntrHiSpdTimer2_mS_u16	29997		
<_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	17.897419		
<_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	334.049988		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.106655896		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	18.8970184		
AutoCntrHiSpdTimer4 mS u16	39085		
 AutoCntrLoSpdCntrWindow HwDeg f32 	73.1804352		
x_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
x_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	436.510376		
AutoCntrLoSpdTimer1PinTrq HwNm f32	10.4573536		
AutoCntrLoSpdTimer1VehSpd kph f32	162.399216		
k AutoCntrLoSpdTimer1 mS u16	53970		
 AutoCntrLoSpdTimer2 mS u16 	52282		
AutoCntrPinTrqLPFCoeffKn Hz f32	0.0320999995		
c_SLPEnableBFCheck_Cnt_lgc	0		
<pre><_SLPHwAuthority_Uls_f32</pre>	0.172800004		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	800.289978		
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	3323480832		
Name	Actual Value	Expected Value	Resi
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	334.049988	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	0.106655896 ± 0.04	
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	17.897419	17.897419 ± 0.0625	
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	20288	20288 ± 2	
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	39085	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	0.00031410993 ± 1.25663627181805E-06	
/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.FiltPinTrq_HwNm_f32	7.52602291	7.52602291 ± 0.04	
/ehDyn_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	~

Τ				
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 2.34 (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	19.5605583		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0560000017		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	572.561157		
k_AutoCntrHiSpdTimer1PinTrq_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_AutoCntrHiSpdTimer4PinTrq_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 AutoCntrPinTrqLPFCoeffKn Hz f32	0.0560000017		
k SLPEnableBFCheck Cnt Igc	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	11000	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	52.6185455 52.6185455 ± 0.5		
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.4131937 12.4131937 ± 0.04	٠,	
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.Timer2Thresh mS u16	54779 54779 ± 2		
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-0		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011 0.000113090937 ± 1.25663627181805E-06	-	



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	~

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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 2.35 (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	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	Resu
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	~

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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_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	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_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2430672128		
Name	Actual Value	Expected Value	Res
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	~

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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 2.37 (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	0.0049999989
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	33330
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	93.8445969
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	8.16609764
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	68.0500031
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	0.0049999989
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.192599997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	728.190979
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	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	-

T				✓
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.FiltPinTrq_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	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	~
GetSvstemTime mS u32	1	GetSystemTime mS u32	1	✓

Test Step 2.39 (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	7.2738266
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



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_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	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.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	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	~

T .				
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 2.40 (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	0.0049999989	
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	~

T				✓
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



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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_UIs_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	Result
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.FiltPinTrg 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	~
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.FiltPinTrg HwNm f32	7.90520477	7.90520477 ± 0.04	~
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	~
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	_
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	-
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	-

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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 Igc	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	- TOOUIC
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.Timer*Thresh_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	~
	13.4235058	13.4235058 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	88.5801086	88.5801086 ± 0.0625	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42277	66.360 1060 ± 0.0625 42277 ± 2	,
VehDyn_AutoCotrlHiSpd_M_str.Timer1Thresh_mS_u16		52217 ± 2	·
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52217	1	,
VehDyn_AutoCotrl ISad_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	V
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	72.2188644	72.2188644 ± 0.2	V
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	V
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	~

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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	0.0049999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00980000012
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	235.852432



Result
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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	0.0098999995	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	463.985962	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.70262909	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrHiSpdTimer1_mS_u16	12734	
k_AutoCntrHiSpdTimer2_mS_u16	38885	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	179.399078	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.4598589	
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 4.9565835	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 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_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	2704864000	
Name	Actual Value Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100 ± 0.0625	✓
· - · - · - · - · - · - · - · - · - · -	100 100 ± 0.0625 12734 12734 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16		~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_t32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	12734 12734 ± 2	·
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	12734 12734 ± 2 10910 10910 ± 2	7
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	12734 12734 ± 2 10910 10910 ± 2 2704864000 2704864000	~
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	12734 12734 ± 2 10910 10910 ± 2 2704864000 2704864000 2704864000 2704864000	~
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	12734 12734 ± 2 10910 10910 ± 2 2704864000 2704864000 2704864000 2704864000 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-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 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	12734 12734 ± 2 10910 10910 ± 2 2704864000 2704864000 2704864000 2704864000 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_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.VehSpd_kph_f32	12734 12734 ± 2 10910 10910 ± 2 2704864000 2704864000 2704864000 2704864000 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 463.985962 463.985962 ± 0.2	
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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_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.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.VehSpd_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.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_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	12734 12734 ± 2 10910 10910 ± 2 2704864000 2704864000 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 463.985962 463.985962 ± 0.2 255 255 ± 0.5 8.70262909 8.70262909 ± 0.04 41.6950645 41.6950645 ± 0.0625 12734 12734 ± 2 38885 38885 ± 2 2704864000 2704864000 2704864000 2704864000 0.000314116478 0.00031410993 ± 1.25663627181805E-06 638.585999 638.585999 ± 0.2 638.585999 638.585999 ± 0.2 122.874435 4.9565835 ± 0.04 75.6018066 75.6018066 ± 0.0625 26195 26195 ± 2 2037 22037 ± 2 2704864000 2704864000 2704864000 2704864000 2704864000 2704864000 2704864000 2704864000	

Τ				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 2.45 (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	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_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004	
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	159.033066	
k AutoCntrLoSpdTimer1PinTrq HwNm f32	18.4460754	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	56.1687317	
k_AutoCntrLoSpdTimer1venSpd_kpn_i32 k_AutoCntrLoSpdTimer1_mS_u16	43190	
k_AutoCntrLoSpdTimer2_mS_u16	3186	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001	
k_SLPEnableBFCheck_Cnt_lgc	1	
<_SLPHwAuthority_Uls_f32	0.232199997	
arget_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	Res
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	243.44046 243.44046 ± 0.2	
7 0112 y 112 0 114 2 0 10 Pa_111_0 11 114 114 114 114 114 114 114 114 114	2.0.1.0.0	
VehDvn AutoCntrDetSnd M str VehSnd knh f32	17 667511 17 667511 + 0 5	
_ · · · - · - · - · - · - · - ·	17.667511	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.900116 17.900116 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	17.900116 17.900116 ± 0.04 79.0500031 79.0500031 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	17.900116 17.900116 ± 0.04 79.0500031 79.0500031 ± 0.0625 4764 4764 ± 2	
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	17.900116 17.900116 ± 0.04 79.0500031 79.0500031 ± 0.0625 4764 4764 ± 2 16349 16349 ± 2	
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	17.900116 17.900116 ± 0.04 79.0500031 79.0500031 ± 0.0625 4764 4764 ± 2	
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	17.900116 17.900116 ± 0.04 79.0500031 79.0500031 ± 0.0625 4764 4764 ± 2 16349 16349 ± 2	
/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	17.900116 17.900116 ± 0.04 79.0500031 79.0500031 ± 0.0625 4764 4764 ± 2 16349 16349 ± 2 662694400 662694400	
/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.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	17.900116 17.900116 ± 0.04 79.0500031 79.0500031 ± 0.0625 4764 4764 ± 2 16349 16349 ± 2 662694400 662694400 662694400 662694400	
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.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	17.900116 17.900116 ± 0.04 79.0500031 79.0500031 ± 0.0625 4764 4764 ± 2 16349 16349 ± 2 662694400 662694400 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06	
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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	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	5
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	225.86203
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.1959343
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	253.171951
k_AutoCntrHiSpdTimer4_mS_u16	



Name	Actual Value	Expected Value	Result
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	_

T					
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		
	Input Value	Fina a	
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		
x_AutoCntrHiSpdCntrWindow_HwDeg_f32	43.6620522		
x_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009		
_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0149999997		
x_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	448.286377		
x_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20		
_AutoCntrHiSpdTimer1VehSpd_kph_f32	144.583755		
_AutoCntrHiSpdTimer1_mS_u16	0		
_AutoCntrHiSpdTimer2_mS_u16	41107		
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	62.654911		
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	608.513794		
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	11.5653687		
_AutoCntrHiSpdTimer4VehSpd_kph_f32	76.64888		
_AutoCntrHiSpdTimer4_mS_u16	51504		
_AutoCntrLoSpdCntrWindow_HwDeg_f32	91.3417435		
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995		
_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	487.27597		
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.8190889		
:_AutoCntrLoSpdTimer1VehSpd_kph_f32	254.395218		
:_AutoCntrLoSpdTimer1_mS_u16	30404		
_AutoCntrLoSpdTimer2_mS_u16	30349		
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009		
SLPEnableBFCheck Cnt Igc	0		
SLPHwAuthority_Uls_f32	0.238800004		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	559.960022		
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		
gt_GetSystemTime_mS_u32_CurrentTime	2303132928		
Name	Actual Value	Expected Value	Re
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	608.513794	608.513794 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.64888	76.64888 ± 0.5	
	11.5653687	11.5653687 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	62.654911	62.654911 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32			
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51504	51504 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2303132928	2303132928	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2303132928	2303132928	
/ehDyn_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	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	448.286377	448.286377 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	448.286377 144.583755	448.286377 ± 0.2 144.583755 ± 0.5	
/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	448.286377 144.583755 20	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04	
/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	448.286377 144.583755 20 43.6620522	448.286377 ± 0.2 144.583755 ± 0.5	
/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	448.286377 144.583755 20 43.6620522 0	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2	
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	448.286377 144.583755 20 43.6620522	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625	
fehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 fehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 fehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 fehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 fehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 fehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 fehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	448.286377 144.583755 20 43.6620522 0	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2	
fehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 fehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 fehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 fehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 fehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 fehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 fehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	448.286377 144.583755 20 43.6620522 0 41107	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2	
fehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 fehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 fehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 fehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 fehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 fehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 fehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 fehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 fehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	448.286377 144.583755 20 43.6620522 0 41107 2303132928	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928	
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.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928	
/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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2.51531601e-005	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WtrVel_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	448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2.51531601e-005 0.000188469887	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 0.000188477788 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WtrVel_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	448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2.51531601e-005 0.000188469887 487.27597	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 0.000188477788 ± 1.25663627181805E-06 487.27597 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WtrVel_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	448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2.51531601e-005 0.000188469887 487.27597 254.395218	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 0.000188477788 ± 1.25663627181805E-06 487.27597 ± 0.2 254.395218 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2.51531601e-005 0.000188469887 487.27597 254.395218 12.8190889	448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 0.000188477788 ± 1.25663627181805E-06 487.27597 ± 0.2 254.395218 ± 0.5 12.8190889 ± 0.04	



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	~

Τ				
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)			9	
	Input Value			
Name CotSystemTime mS_v/22/CurrentTime)	Input Value			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	CothITCA stirre NITCA stirre Dtn T Inc		
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	target_Rte_Inst_Ap_VehDyn_2 75.7771378			
k_AutoCntrHiSpdCntrWindow_HwDeg_f32				
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989 170.210068			
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	9.64343548			
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32				
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	112.884521			
k_AutoCntrHiSpdTimer1_mS_u16	60000 42218			
k_AutoCntrHiSpdTimer2_mS_u16				
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	Result	
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	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	170.210068	170.210068 ± 0.2	~	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	112.884521	112.884521 ± 0.5	•	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.64343548	9.64343548 ± 0.04	~	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.7771378	75.7771378 ± 0.0625	•	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	•	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	42218	42218 ± 2	•	
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-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	686.9823	686.9823 ± 0.2	~	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	33.3876343	33.3876343 ± 0.5	•	
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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	~

T					
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_Call_Ap_veribyit_twitiblagivigt_Getiv1 CActive(N1 CActive_Ftt_1_igc) Rte_Inst_Ap_Veribyit_twitiblagivigt_Getiv1 CActive(N1 CActive_Ftt_1_igc)	target_Rte_Inst_Ap_VehDyn_2		
	36.63274		
<_AutoCntrHiSpdCntrWindow_HwDeg_f32	0.0344000012		
<_AutoCntrHiSpdFilt1Kn_Hz_f32			
<_AutoCntrHiSpdFilt2Kn_Hz_f32 AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004		
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	292.78537		
x_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.4148769		
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	70.7165985		
x_AutoCntrHiSpdTimer1_mS_u16	1500		
x_AutoCntrHiSpdTimer2_mS_u16	43329		
x_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	14.9879189		
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	291.415405		
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.84722853		
_AutoCntrHiSpdTimer4VehSpd_kph_f32	41.1777191		
_AutoCntrHiSpdTimer4_mS_u16	44494		
_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.4213715		
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
:_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	170.99588		
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.17953968		
c_AutoCntrLoSpdTimer1VehSpd_kph_f32	7.39476013		
_AutoCntrLoSpdTimer1_mS_u16	16683		
x_AutoCntrLoSpdTimer2_mS_u16	22497		
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012		
_SLPEnableBFCheck_Cnt_lgc	0		
_SLPHwAuthority_Uls_f32	0.252000004		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	511.894012		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	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	2836768512		
Name	Actual Value Expected Value	Re	
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	291.415405 291.415405 ± 0.2	140	
	41.1777191 41.1777191 ± 0.5		
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	7.84722853 7.84722853 ± 0.04		
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32			
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	111111111111111111111111111111111111111		
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	1500 1500 ± 2		
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	44494 44494 ± 2		
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2836768512 2836768512		
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2836768512 2836768512		
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.25663627181		
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478 0.00031410993 ± 1.256636271818	05E-06	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	292.78537 292.78537 ± 0.2		
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	70.7165985 70.7165985 ± 0.5		
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.4148769 15.4148769 ± 0.04		
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	36.63274 ± 0.0625		
/ehDyn_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		



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	~

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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_0	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_AutoCntrHiSpdTimer4PinTrq_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		
k_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_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0458000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.258599997		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	487.860992		
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	2478427648		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	417.567505	417.567505 ± 0.2	•
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	224.821381	224.821381 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrg 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	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2478427648	2478427648	•
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	0.000791370869	0.000791368075 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	263.707825	263.707825 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	81.0172424	81.0172424 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.88711405	5.88711405 ± 0.04	٠,
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.1508331	77.1508331 ± 0.0625	



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	~

Τ				✓
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 Igc)	target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc	
Rte_Call_Ap_veribyri_txtrblagwigr_GetivTCActive(NTCActive_Ftt_1_igc) Rte_Inst_Ap_VehDyn		
к.е_mst_Ap_venbyn k AutoCntrHiSpdCntrWindow HwDeg f32	target_Rte_Inst_Ap_VehDyn_2 3,27935433	
k_AutoCntrHiSpdFilt1Kn Hz f32	0.0049999989	
k AutoCntrHiSpdFilt2Kn Hz f32	0.00200000009	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	517.932861	
k AutoCntrHiSpdTimer1PinTrq HwNm f32	4.54822206	
	190.724686	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	28556	
k_AutoCntrHiSpdTimer1_mS_u16	1111	
k_AutoCntrHiSpdTimer2_mS_u16	45551	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	95.2508621	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	132.854568	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.87444711	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	41.7497711	
k_AutoCntrHiSpdTimer4_mS_u16	60000	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	28.4195251	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	74.5651398	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.3046961	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	140.20314	
k_AutoCntrLoSpdTimer1_mS_u16	58736	
k_AutoCntrLoSpdTimer2_mS_u16	17880	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.265199989	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	463.828003	
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	4180236544	
Name	Actual Value Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	132.854568	٠,
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	41.7497711 41.7497711 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	2.87444711	٠,
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	95.2508621 95.2508621 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	28556 28556 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000 60000 ± 2	
VehDyn_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	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Dis_i32	2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06	



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	~

T				✓
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 2.52 (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	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_Uls_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_lgc	0		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
tgt GetSystemTime mS u32 CurrentTime	3368466432		
Name	Actual Value	Expected Value	Resu
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.FiltPinTrg 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	



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	~

T				✓
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	9	
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	22.7924805		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0344000012		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	0		
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_lgc	: 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	~

T					
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	48884
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	Resu
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	١ .
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	١ .
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	١ .
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	36.1406059	36.1406059 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43706	43706 ± 2	١ .
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	48884	48884 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	625668608	625668608	١ .
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	١ .
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	29.760561	29.760561 ± 0.0625	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	18398	18398 ± 2	١ .
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	١.,

Τ				
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)	▼
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	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	0.0049999989
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



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	~

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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)	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
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



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		
$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312		
Name	Actual Value	Expected Value	Resul
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.FiltPinTrg 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.FiltPinTrg 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	

Τ				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 2.57 (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_Uls_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.FiltPinTrg 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	_

T				✓
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_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.FiltPinTrg HwNm f32	5.71470642	5.71470642 ± 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.FiltPinTrg 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.FiltPinTrg 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	-

T				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	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 Igc	1		
k SLPHwAuthority Uls 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		
		Francisco di Voltro	Desire
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	
	2220052024	2339853824	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2339853824		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		0.000791368075 ± 1.25663627181805E-06 9.80128898e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869 9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	

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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 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 AutoCntrLoSpdTimer1PinTrg 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	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	~
VehDyn_PinTrqSV_M_str.K_Uls_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	~

T				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)		✓
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	19.5605583		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0560000017		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	572.561157		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0		
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_AutoCntrHiSpdTimer4PinTrq_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	0.0089999961		
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 target Pim MotPosReset.NVMStoredLastPos HwDeg f32	0.317999989 271.563995		
target_Pim_MotPosReset.NVMStoredLastPos_nwDeg_l32 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		
Name	Actual Value	Expected Value	Result
	520.135864	520.135864 ± 0.2	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.6185455	52.6185455 ± 0.5	·
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	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16201	16201 ± 2	-
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	54779	54779 ± 2	~
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 193.532913	572.561157 ± 0.2 193.532913 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	572.561157	572.561157 ± 0.2 193.532913 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	572.561157 193.532913	572.561157 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	572.561157 193.532913 0 19.5605583	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625	*
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	572.561157 193.532913 0	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04	<i>y</i>
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	572.561157 193.532913 0 19.5605583 16201	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2	\rightarrow \frac{1}{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	572.561157 193.532913 0 19.5605583 16201 54439	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2	\rightarrow \right
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	572.561157 193.532913 0 19.5605583 16201 54439 3524313344	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344	· · · · · · · · · · · · · · · · · · ·
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	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344	· · · · · · · · · · · · · · · · · · ·
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	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344 0.00070346921 ± 1.25663627181805E-06	· · · · · · · · · · · · · · · · · · ·
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	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344 $0.00070346921 \pm 1.25663627181805E-06$ $2.51324254e-005 \pm 1.25663627181805E-06$	· · · · · · · · · · · · · · · · · · ·
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	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344 $0.00070346921 \pm 1.25663627181805E-06$ $2.51324254e-005 \pm 1.25663627181805E-06$ 199.42067 ± 0.2	· · · · · · · · · · · · · · · · · · ·
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.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.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344 $0.00070346921 \pm 1.25663627181805E-06$ $2.51324254e-005 \pm 1.25663627181805E-06$ 199.42067 ± 0.2 255 ± 0.5	· · · · · · · · · · · · · · · · · · ·
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 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.Wtvle_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255 7.28609991	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344 $0.00070346921 \pm 1.25663627181805E-06$ $2.51324254e-005 \pm 1.25663627181805E-06$ 199.42067 ± 0.2 255 ± 0.5 7.28609991 ± 0.04	· · · · · · · · · · · · · · · · · · ·
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.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255 7.28609991 27.0724258	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344 $0.00070346921 \pm 1.25663627181805E-06$ $2.51324254e-005 \pm 1.25663627181805E-06$ 199.42067 ± 0.2 255 ± 0.5 7.28609991 ± 0.04 27.0724258 ± 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 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.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255 7.28609991 27.0724258 18002	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344 $0.00070346921 \pm 1.25663627181805E-06$ $2.51324254e-005 \pm 1.25663627181805E-06$ 199.42067 ± 0.2 255 ± 0.5 7.28609991 ± 0.04 27.0724258 ± 0.0625 18002 ± 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.Timer2Thresh_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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255 7.28609991 27.0724258 18002 18842	572.561157 ± 0.2 193.532913 ± 0.5 0 ± 0.04 19.5605583 ± 0.0625 16201 ± 2 54439 ± 2 3524313344 3524313344 $0.00070346921 \pm 1.25663627181805E-06$ $2.51324254e-005 \pm 1.25663627181805E-06$ 199.42067 ± 0.2 255 ± 0.5 7.28609991 ± 0.04 27.0724258 ± 0.0625 18002 ± 2 18842 ± 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.Timer2Thresh_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.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	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255 7.28609991 27.0724258 18002 18842 3524313344	$\begin{array}{c} 572.561157 \pm 0.2 \\ 193.532913 \pm 0.5 \\ 0 \pm 0.04 \\ 19.5605583 \pm 0.0625 \\ 16201 \pm 2 \\ 54439 \pm 2 \\ 3524313344 \\ 3524313344 \\ 0.00070346921 \pm 1.25663627181805E-06 \\ 2.51324254e-005 \pm 1.25663627181805E-06 \\ 199.42067 \pm 0.2 \\ 255 \pm 0.5 \\ 7.28609991 \pm 0.04 \\ 27.0724258 \pm 0.0625 \\ 18002 \pm 2 \\ 18842 \pm 2 \\ 3524313344 \end{array}$	
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_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.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	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255 7.28609991 27.0724258 18002 18842 3524313344 3524313344	$\begin{array}{c} 572.561157 \pm 0.2 \\ 193.532913 \pm 0.5 \\ 0 \pm 0.04 \\ 19.5605583 \pm 0.0625 \\ 16201 \pm 2 \\ 54439 \pm 2 \\ 3524313344 \\ 3524313344 \\ 0.00070346921 \pm 1.25663627181805E-06 \\ 2.51324254e-005 \pm 1.25663627181805E-06 \\ 199.42067 \pm 0.2 \\ 255 \pm 0.5 \\ 7.28609991 \pm 0.04 \\ 27.0724258 \pm 0.0625 \\ 18002 \pm 2 \\ 18842 \pm 2 \\ 3524313344 \\ 3524313344 \\ 3524313344 \end{array}$	
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.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255 7.26609991 27.0724258 18002 18842 3524313344 3524313344 2.51531601e-005	$\begin{array}{c} 572.561157 \pm 0.2 \\ 193.532913 \pm 0.5 \\ 0 \pm 0.04 \\ 19.5605583 \pm 0.0625 \\ 16201 \pm 2 \\ 54439 \pm 2 \\ 3524313344 \\ 3524313344 \\ 0.0070346921 \pm 1.25663627181805E-06 \\ 2.51324254e-005 \pm 1.25663627181805E-06 \\ 199.42067 \pm 0.2 \\ 255 \pm 0.5 \\ 7.28609991 \pm 0.04 \\ 27.0724258 \pm 0.0625 \\ 18002 \pm 2 \\ 18842 \pm 2 \\ 3524313344 \\ 3524313344 \\ 2.51324254e-005 \pm 1.25663627181805E-06 \\ \end{array}$	
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.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFit2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FitPinTrq_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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32	572.561157 193.532913 0 19.5605583 16201 54439 3524313344 3524313344 0.000703454018 2.51531601e-005 199.42067 255 7.28609991 27.0724258 18002 18842 3524313344 3524313344 3524313344 2.51531601e-005 0.000113070011	$\begin{array}{c} 572.561157 \pm 0.2 \\ 193.532913 \pm 0.5 \\ 0 \pm 0.04 \\ 19.5605583 \pm 0.0625 \\ 16201 \pm 2 \\ 54439 \pm 2 \\ 3524313344 \\ 3524313344 \\ 0.00070346921 \pm 1.25663627181805E-06 \\ 2.51324254e-005 \pm 1.25663627181805E-06 \\ 199.42067 \pm 0.2 \\ 255 \pm 0.5 \\ 7.28609991 \pm 0.04 \\ 27.0724258 \pm 0.0625 \\ 18002 \pm 2 \\ 18842 \pm 2 \\ 3524313344 \\ 3524313344 \\ 2.51324254e-005 \pm 1.25663627181805E-06 \\ 0.000113090937 \pm 1.25663627181805E-06 \\ 0.000113090937 \pm 1.25663627181805E-06 \\ \end{array}$	

T					
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)	Innext Webs	
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	0.00499999989	
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 AutoCntrHiSpdTimer4PinTrg HwNm f32	1.5492686	
k AutoCntrHiSpdTimer4VehSpd kph f32	42.4051514	
k AutoCntrHiSpdTimer4 mS u16	40071	
	51.3248215	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32		
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	Res
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	498.552795 498.552795 ± 0.2	1100
	42.4051514 42.4051514 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	42.4031314 ± 0.3 1.5492686 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	67.8938828 67.8938828 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	28925 ± 2	
	40071 40071 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2108719104 2108719104	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2108719104 2108719104	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2108719104 2108719104 2108719104 2108719104	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2108719104 2108719104 2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06	
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	2108719104 2108719104 2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06	
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	2108719104 2108719104 2108719104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000432193279 0.000432189729 ± 1.25663627181805E-06 532.443176 532.443176 ± 0.2	
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	2108719104 2108719104 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	
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	2108719104 2108719104 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	
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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.WelSpd_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.Timer1Su32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_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.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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	2108719104 2108719104 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 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 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	
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.NtrVel_MtrRadpS_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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 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.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	2108719104 2108719104 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 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 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	
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.Wel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.PiltPinTrq_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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2108719104 2108719104 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 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 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	
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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Tnes_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.Wtrlel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Wtrlel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mb\u00fa2 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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_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.Timer2_mS_u32	2108719104 2108719104 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 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 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 ± 363 58876 58876 ± 2 2108719104 2108719104 2108719104 2108719104	
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.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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Tns_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.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit3SV_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_u32 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	2108719104 2108719104 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 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 32.0000687 32.000687 ± 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 2108729104 2108719104 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06	
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_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wel_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.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Tns_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Tns_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	2108719104 2108719104 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 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 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 2108719104 2108719104 2108719104 2108719104 2108719104 2108719104 2108719109 2108663627181805E-06 0.00043219327	



Τ				✓
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_CurrentTir	me	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagM	lgr_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		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5891829		
k AutoCntrLoSpdTimer1VehSpd kph f32	126.774094		
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		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	223.498001		
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	2894938880		
Name	Actual Value	Expected Value	Result
		·	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	129.583893	129.583893 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.279709	169.279709 ± 0.5	J
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.4654448	2.4654448 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.8357315	52.8357315 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	18436	18436 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46866	46866 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2894938880	2894938880	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2894938880	2894938880	•
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	0.000575363636	0.000575374172 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	330.663879	330.663879 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	53.6340179	53.6340179 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.0500002	14.0500002 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	47.1172676	47.1172676 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	18436	18436 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16		18436 ± 2 56661 ± 2	
	18436		•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18436 56661	56661 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	18436 56661 2894938880	56661 ± 2 2894938880	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	18436 56661 2894938880 2894938880	56661 ± 2 2894938880 2894938880	
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	18436 56661 2894938880 2894938880 0.000314116478	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06	
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	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06	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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06 207.336761 ± 0.2	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.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	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04	-
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04 80.1532669 ± 0.0625	-
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.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	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04 80.1532669 ± 0.0625 29601 ± 2	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.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.Timer2Thresh_mS_u16	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04 80.1532669 ± 0.0625 29601 ± 2 17463 ± 2	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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463 2894938880	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04 80.1532669 ± 0.0625 29601 ± 2 17463 ± 2 2894938880	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.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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463 2894938880 2894938880	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04 80.1532669 ± 0.0625 29601 ± 2 17463 ± 2 2894938880 2894938880	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.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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463 2894938880	56661 ± 2 2894938880 2894938880 0.00031410993 ± 1.25663627181805E-06 6.53429888e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04 80.1532669 ± 0.0625 29601 ± 2 17463 ± 2 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	✓

T				✓
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	~

GetSystemTime_mS_u32(CurrentTime) tgl_GetSystemTime_mS_u32_CurrentTime Rite_Gall_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc) target_Rite_Gall_Ap_VehDyn_1xtrDiagMgr_GetNTCActive_Ptr_T_lgc Rel_Inst_Ap_VehDyn target_Rite_Gall_Ap_VehDyn_2 k_AutoChtHiSpdTimtKn_Hz_f32 24.5077915 k_AutoChtHiSpdTill** Lg k_AutoChtHiSpdFill** Lg k_AutoChtHiSpdTimerIMtVel_MtrRadpS_f32 416.42218 k_AutoChtHiSpdTimerIMtVel_MtrRadpS_f32 416.8185226 k_AutoChtHiSpdTimerIVehSpd_kph_f32 168.185226 k_AutoChtHiSpdTimerI_mS_u16 30272 k_AutoChtHiSpdTimerI_Minow_hwDeg_f32 51.7886863 k_AutoChtHiSpdTimer4ChtWindow_hwDeg_f32 51.7886863 k_AutoChtHiSpdTimer4ChtWindow_hwDeg_f32 272.816681 k_AutoChtHiSpdTimer4VehSpd_kph_f32 209.062363 k_AutoChtHiSpdTimer4VehSpd_kph_f32 209.062363 k_AutoChtHiSpdTimer4VehSpd_kph_f32 3628 k_AutoChtLoSpdFill*Kn_Hz_f32 0.0049999999999999999999999999999999999	Test Step 2.64 (Repeat Count = 1)			
Ris_Call_Ap_VehDyn NatrDiagNigr_GetNTCActive_Ptr_T_lgc target_Rel_call_Ap_VehDyn NatrDiagNigr_GetNTCActive_NTCActive_Ptr_T_lgc target_Rel_inst_Ap_VehDyn_2	Name	Input Value		
Re_Inst_Ap_VehDyn_2				
k_AutoCntHHSpdChtMindow_HwDeg_f32			Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
K_AutoCntrHiSpdFiltKn_Hz_f32	Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
K_AutoCntrHiSpdTiller/MrVel_MtrRadpS_f32	k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915		
K AutoCntrHiSpdTimerfMtrVel_MtrRadpS_f32 416.42218 K AutoCntrHiSpdTimerfPinTrq_HwNm_f32 4 K AutoCntrHiSpdTimer1VehSpd_kph_f32 168.185226 K AutoCntrHiSpdTimer2_mS_u16 30272 K AutoCntrHiSpdTimer2_mS_u16 2904 K AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 51.7886963 K AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 272.816681 K AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.0401011 K AutoCntrHiSpdTimer4PinTrq_HwNm_f32 290.62363 K AutoCntrHiSpdTimer4PinTrq_HwNm_f32 3628 K AutoCntrLiSpdTimer4 ms_u16 3628 K AutoCntrLoSpdCintrWindow_HwDeg_f32 59.735672 K AutoCntrLoSpdFiltrIKn_Hz_f32 0.693000001 K AutoCntrLoSpdFiltrerHinTrq_HwNm_f32 499.624054 K AutoCntrLoSpdTimer1Wel_MtrRadpS_f32 499.624054 K AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 K AutoCntrLoSpdTimer1VehSpd_fsph_f32 125.396591 K AutoCntrLoSpdTimer1VehSpd_fsph_f32 149.88 K AutoCntrLoSpdTimer1_mS_u16 149.98 K AutoCntrLoSpdTimer2_mS_u16 149.98 K AutoCntrUspTimEx_mS_u16 149.98	k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHSpdTimer1PinTrq_HwNm_f32 4 k_AutoCntrHSpdTimer1VehSpd_kph_f32 168.185226 k_AutoCntrHSpdTimer1_mS_u16 30272 k_AutoCntrHSpdTimer4_mS_u16 2904 k_AutoCntrHSpdTimer4CntrWindow_HwDeg_f32 51.7886963 k_AutoCntrHSpdTimer4MtrVel_MtrRadpS_f32 272.816681 k_AutoCntrHSpdTimer4WhTvfq_MtrRadpS_f32 13.0401011 k_AutoCntrHSpdTimer4WhSpd_kph_f32 209.06283 k_AutoCntrHSpdTimer4 mS_u16 3628 k_AutoCntrLoSpdCntrWindow_HwDeg_f32 59.735672 k_AutoCntrLoSpdTimtrVel_MTrRadpS_f32 0.04399999999 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 499.624054 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 499.624054 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 k_AutoCntrLoSpdTimer1_mS_u16 36412 k_AutoCntrLoSpdTimer2_mS_u16 14998 k_AutoCntrTuTuPCFCceffkn_Htz_f32 0.0250000004 k_SLPEnableBFCheck_Cnt_lgc 0 k_SLPEnableBFCheck_Cnt_lgc 0 k_SLPEnableBFCheck_Cnt_lgc 0 k_SLPEnableBFCheck_Cnt_lgc<	k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00989999995		
R. AutoCnttHiSpdTimer1VehSpd_kph_f32	k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218		
k_AutoCntrHiSpdTimer1_mS_u16 k_AutoCntrHiSpdTimer2_mS_u16 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 k_AutoCntrHiSpdTimer4VentyMtrRadpS_f32 k_AutoCntrHiSpdTimer4VentyMtrRadpS_f32 k_AutoCntrHiSpdTimer4VentyMtrRadpS_f32 k_AutoCntrHiSpdTimer4VentyMtrRadpS_f32 k_AutoCntrHiSpdTimer4WentyMtrRadpS_f32 k_AutoCntrHiSpdTimer4WentyMtrRadpS_f32 k_AutoCntrHiSpdTimer4_mS_u16 k_AutoCntrLoSpdCntrWindow_HwDeg_f32 k_AutoCntrLoSpdFiltKn_Hz_f32 k_AutoCntrLoSpdFiltKn_Hz_f32 k_AutoCntrLoSpdFiltKn_Hz_f32 k_AutoCntrLoSpdFiltKn_Hz_f32 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 k_AutoCntrLoSpdTimer1PinTq_HwNm_f32 k_AutoCntrLoSpdTimer1PinTq_HwNm_f32 k_AutoCntrLoSpdTimer1_mS_u16 k_AutoCntrLoSpdTimer2_mS_u16 k_AutoCntrLoSpdTimer3_mS_u16 k_AutoCntrLoSpdTimer3_mS_u16 k_AutoCntrLoSpdTimer3_mS_u16 k_AutoCntrLoSpdTimer3_mS_u16 k_AutoCntrLoSpdTimer3_mS_u16 k_AutoCntrLoSpdTimer4_mS_u16 k_AutoCntrLoSpdTimer4_mS_u16 k_AutoCntrDerSpdSeet.NVMStoredLastPos_HwDeg_f32 dasget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 dasget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 dasget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 darget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 darget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 darget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 darget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 darget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 darget_Pim_MotPosReset.NVMStoredLastPos_f401 darget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f532 darget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f532 dar	k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4		
k_AutoCntrHiSpdTimer2_mS_u16 2904 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 51.7886963	k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226		
K AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 51.7886963 K_AutoCntrHiSpdTimer4MitVel_MtrRadpS_f32 272.816681 K_AutoCntrHiSpdTimer4WhiN_f32 13.0401011 K_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 29.0662363 K_AutoCntrHiSpdTimer4_mS_u16 3628 K_AutoCntrLoSpdCntrWindow_HwDeg_f32 59.735672 K_AutoCntrLoSpdFilt2Kn_Hz_f32 0.063000001 K_AutoCntrLoSpdFilt2Kn_Hz_f32 0.063000001 K_AutoCntrLoSpdTimer1MitVel_MtrRadpS_f32 499.624054 K_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 K_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 K_AutoCntrLoSpdTimer2_mS_u16 36412 K_AutoCntrLoSpdTimer1_mS_u16 36412 K_AutoCntrLoSpdTimer1_mS_u16 4998 K_AutoCntrPinTrqLPFCoeffKn_Hz_f32 0.0250000004 K_SLPEnableBFCheck_Cn_lgc 0 K_SLPHwAuthority_Uls_f32 -689.755981 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 -689.755981 target_Pim_MotPosReset.NVMStoredLastPos_Valid_Cnt_lgc 1 target_Pim_MotPosReset.NVMStoredLastPos_Valid_Cnt_lgc 1 target_Pim_MotPosReset target_Pim_MotPosReset target_Pim_MotPosReset tgl_Ge	k_AutoCntrHiSpdTimer1_mS_u16	30272		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	k_AutoCntrHiSpdTimer2_mS_u16	2904		
R. AutoCntrHiSpdTimer4PinTrq_HwNm_132	k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681		
k_AutoCntrHiSpdTimer4_mS_u16 3628 k_AutoCntrLoSpdCntrWindow_HwDeg_f32 59.735672 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.063000001 k_AutoCntrLoSpdFilt2Kn_Hz_f32 0.0049999989 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 499.624054 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 k_AutoCntrLoSpdTimer1PinTq_HwNm_f32 125.396591 k_AutoCntrLoSpdTimer1_mS_u16 36412 k_AutoCntrLoSpdTimer2_mS_u16 14998 k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 0.0250000004 k_SLPHwAuthority_Uls_f32 0.0250000004 k_SLPHwAuthority_Uls_f32 689.755981 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 689.755981 target_Rie_last_Ap_VehDyn_StrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc 1 target_Rie_last_Ap_VehDyn_2.Pim_MotPosReset target_Pim_MotPosReset tgt_GetSystemTime_ms_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363		
k_AutoCntrLoSpdFitt1Kn_Hz_f32 0.063000001 k_AutoCntrLoSpdFitt2Kn_Hz_f32 0.00499999989 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 499.624054 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 k_AutoCntrLoSpdTimer1_mS_u16 36412 k_AutoCntrLoSpdTimer2_mS_u16 14998 k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 0.0250000004 k_SLPEnableBFCheck_Cnt_lgc 0 k_SLPHwAuthority_UIs_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_lgc 1 target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_Pim_MotPosReset tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MitVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrHiSpdTimer4_mS_u16	3628		
k_AutoCntrLoSpdFilt2Kn_Hz_f32 0.00499999898 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 499.624054 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 k_AutoCntrLoSpdTimer1VehSpd_kph_f32 125.396591 k_AutoCntrLoSpdTimer1_mS_u16 36412 k_AutoCntrDoSpdTimer2_mS_u16 14998 k_AutoCntrPDFCceffKn_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.NVMStoredLastPos_Valid_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 tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672		
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_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 tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Result VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 6.55805016 k_AutoCntrLoSpdTimer1VehSpd_kph_f32 125.396591 k_AutoCntrLoSpdTimer1_mS_u16 36412 k_AutoCntrDspdTimer2_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 tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
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_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 tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Result VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054		
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_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 tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016		
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 tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591		
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 tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrLoSpdTimer1_mS_u16	36412		
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_lgc 1 target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_Pim_MotPosReset tg_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrLoSpdTimer2_mS_u16	14998		
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_lgc 1 target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
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_Igc 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	k_SLPEnableBFCheck_Cnt_lgc	0		
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 3941357312 Name Actual Value Expected Value Resu VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 272.816681 272.816681	k_SLPHwAuthority_Uls_f32	0.300000012		
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	target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-689.755981		
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	target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
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	$target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgct_NtrDiagMgr_GetNTCActive_NTCActiv$: 1		
Name Actual Value Expected Value Result VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	tgt_GetSystemTime_mS_u32_CurrentTime	3941357312		
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 272.816681 272.816681 ± 0.2	Name	Actual Value	Expected Value	Resul
	VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	•	
			209.062363 ± 0.5	



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	~

Т					
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)	In the Walter		
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_NxtrDiagMg	r_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_AutoCntrLoSpdTimer1PinTrq_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_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	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	40.3323212	40.3323212 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	251.952911	251.952911 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.9312096	19.9312096 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0.382190108	0.382190108 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53106	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	
	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 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
	106.088676	106.088676 ± 0.2	
	00 7004044	82.7024841 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	82.7024841		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	17.3796749	17.3796749 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	17.3796749 0	17.3796749 ± 0.04 0 ± 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	17.3796749 0 53106	17.3796749 ± 0.04 0 ± 0.0625 53106 ± 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	17.3796749 0 53106 57772	17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 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	17.3796749 0 53106 57772 2059598336	17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336	
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	17.3796749 0 53106 57772 2059598336 2059598336	17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336	
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.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32	17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005	17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336	
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	17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005 0.000439703465	17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336 6.28298803e-005 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06	
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	17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005	17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336 6.28298803e-005 ± 1.25663627181805E-06	



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	✓

T				✓
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)	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	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0089999961	
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 lgc	0	
k SLPHwAuthority Uls f32	0.344399989	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	175.432007	
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	
		Resul
Name	Actual Value Expected Value	Resui
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	172.499313	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	198.042679 198.042679 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.32853031 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	65.5642929 65.5642929 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40735 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 ± 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	· •



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	~

Т					
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)		•
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	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_UIs_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 Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.948975 ± 0.2	٠,
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	145.445251 145.445251 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	18.4402218	٠,
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	89.7410736	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	39187 39187 ± 2	٠,
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	35319 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	569984000 569984000	٠,
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	569984000 569984000	
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	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	680.440247 680.440247 ± 0.2	
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	18.8164063 18.8164063 ± 0.5	
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	8.89876556 8.89876556 ± 0.04	٠,
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	2.04999995 2.04999995 ± 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	~

Т				
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_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	5		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00779999979		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	138.568741		
k_AutoCntrHiSpdTimer1PinTrq_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_AutoCntrHiSpdTimer4PinTrq_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 AutoCntrLoSpdTimer1PinTrg 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 Igc	1		
k SLPHwAuthority Uls f32	0.0342000015		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1304.98303		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
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	3437401088		
Name	Actual Value Expected Value	F	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		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113090937 ± 1.2566362718	31805E-06	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000314116478		



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	~

T						
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 Currer	ntTime	
Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc)		agMgr GetNTCActive NTCActive Ptr T lo	ac
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		9-
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	Resul
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.FiltPinTrq_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	



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	~

T						
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 2.70 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		iagMgr_GetNTCActive_NTCActive_Ptr_T_lg	С
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	49.7710762		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00650000013		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	338.984467		
k_AutoCntrHiSpdTimer1PinTrq_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-06	•
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	

T				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
_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
_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
_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
<_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
<pre>c_SLPEnableBFCheck_Cnt_lgc</pre>	0
_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_lgd	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	Resu
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	١ .
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	١.,
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.56739569	2.56739569 ± 0.04	١ .
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	58.6891289	58.6891289 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20825	20825 ± 2	١ .
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	١ ،
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	١ ،
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	١ ،
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.5890503	45.5890503 ± 0.0625	١.,
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19617	19617 ± 2	١ ،
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	42138	42138 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1975593216	1975593216	١ ،
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	١ ،
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	

T				✓
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	Result
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.FiltPinTrq_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	•

Т				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 2.73 (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
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_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgr	c 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.FiltPinTrg 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	-

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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 2.74 (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_Uls_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	_

T				✓
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	0.000199999995
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



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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 lgc	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		
		I=	
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	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	~
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	,
veniphii_ori,um.cos_umpea7ini_ios	-10.0320007	-10.0520007	

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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)	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
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.FiltPinTrg 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.FiltPinTrg 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	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~
			_

T				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 2.77 (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	0.0049999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000300000014
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218



Name	Input Value		
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	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.410400003		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-64.8980026		
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	2212175616		
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	2212175616	2212175616	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2212175616	2212175616	~
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	2212175616	2212175616	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2212175616	2212175616	~
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	3.75509262e-006	3.76990397e-006 ± 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	2212175616	2212175616	· ·
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2212175616	2212175616	•
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	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwRop_HwRop_M_f32	0.410400003	0.410400003	~
VehDyn_SLPHwPos_HwDeg_M_f32	-64.8980026	-64.8980026	

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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



Name	Input Value	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.3826141	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989	
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	
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	0.000199999995	
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 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562 75.1060562 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187 ± 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	0.000113070011 0.000113090937 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	683.818359 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.4863586 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.0764636993 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.3826141 91.3826141 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	91.3826141	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2	7
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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336	~
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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336	~
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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336	
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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 228.670547 228.670547 ± 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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 228.670547 228.670547 ± 0.2 174.289764 174.289764 ± 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_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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 228.670547 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 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.Timer2Thresh_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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 228.670547 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 0.04 53.7309608 53.7309608 ± 0.0625	
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.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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 0.04 53.7309608 53.7309608 ± 0.0625 11413 11413 ± 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_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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 0.04 53.7309608 53.7309608 ± 0.0625 11413 11413 ± 2 48604 48604 ± 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_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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 0.04 53.7309608 53.7309608 ± 0.0625 11413 11413 ± 2 48604 48604 ± 2 2059598336 2059598336	
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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 0.04 53.7309608 53.7309608 ± 0.0625 11413 11413 ± 2 48604 48604 ± 2 2059598336 2059598336 2059598336 2059598336	
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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 0.04 53.7309608 53.7309608 ± 0.0625 11413 11413 ± 2 48604 48604 ± 2 2059598336 2059598336 2059598336 2059598336 0.000403285027 0.000403299142 ± 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.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 228.670547 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 0.04 53.7309608 53.7309608 ± 0.0625 11413 11413 ± 2 48604 48604 ± 2 2059598336 2059598336 2059598336 2059598336 0.000403285027 0.000403299142 ± 1.25663627181805E-06 0.000113070011 0.000113090937 ± 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.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	91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2 3238 3238 ± 2 2059598336 2059598336 2059598336 2059598336 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 6.28232956e-005 228.670547 ± 0.2 174.289764 174.289764 ± 0.5 16.7742443 16.7742443 ± 0.04 53.7309608 53.7309608 ± 0.0625 11413 11413 ± 2 48604 48604 ± 2 2059598336 2059598336 2059598336 2059598336 0.000403285027 0.000403299142 ± 1.25663627181805E-06	

T				✓
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		
	0.100000001		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001		
k_SLPEnableBFCheck_Cnt_lgc			
k_SLPHwAuthority_Uls_f32	0.423599988		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-112.963997		
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		
Name	Actual Value	Expected Value	Resul
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	00000		
	37023	37023 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		37023 ± 2 800969984	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	37023	1 1 1	
	37023 800969984	800969984	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	37023 800969984 800969984	800969984 800969984	٠
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	37023 800969984 800969984 0.00106757879	800969984 800969984 0.00106757123 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	37023 800969984 800969984 0.00106757879 0.000314116478	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 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	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 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 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 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 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625	
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	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 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	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572	800969984 800969984 $0.00106757123 \pm 1.25663627181805E-06$ $0.00031410993 \pm 1.25663627181805E-06$ 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 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.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.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.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.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 54120	$800969984 \\ 800969984 \\ 0.00106757123 \pm 1.25663627181805E-06 \\ 0.00031410993 \pm 1.25663627181805E-06 \\ 39.0381813 \pm 0.2 \\ 232.692337 \pm 0.5 \\ 5.52265358 \pm 0.04 \\ 77.5132141 \pm 0.0625 \\ 38590 \pm 2 \\ 3572 \pm 2 \\ 800969984 \\ 0.000439726253 \pm 1.25663627181805E-06 \\ 0.000113090937 \pm 1.25663627181805E-06 \\ 443.858398 \pm 0.2 \\ 226.96962 \pm 0.5 \\ 3.18688083 \pm 0.04 \\ 62.1222305 \pm 0.0625 \\ 54120 \pm 2$	
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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.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 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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_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.Timer1_mS_u32	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.856398 226.96962 3.18688083 62.1222305 54120 46193 800969984	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 800969984	
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 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.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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.856398 226.96962 3.18688083 62.1222305 54120 46193	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 800969984 800969984	
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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 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.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.WehSpd_kph_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.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.856398 226.96962 3.18688083 62.1222305 54120 46193 800969984 800969984 800969984 800969984 800969984 800969984	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 800969984 800969984 800969984 0.00106757123 ± 1.25663627181805E-06	
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 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.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_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.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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 54120 46193 800969984 800969984 800969984 800969984 800969984 0.00106757879 0.000314116478	800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06	



Τ				
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_Pti	r_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.04372168	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00600000005	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004	
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	
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_AutoCntrLoSpdTimer1PinTrq_HwNm_132 k_AutoCntrLoSpdTimer1VehSpd_kph_f32	94.8519287	
_		
k_AutoCntrLoSpdTimer1_mS_u16	19115	
k_AutoCntrLoSpdTimer2_mS_u16	24462	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0350000001	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.430200011	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-136.996994	
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 Expected Value	Res
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	84.2065811 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	119.126099 ± 0.5	
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	569984000 569984000	
VEH WO AUTO JULIELAND WEST TIMELY IIIA 1137	569984000	
	569984000 569984000 3.76701355c-005 3.76984026c-005 + 1.25663	:627181805E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76701355e-005 3.76984026e-005 ± 1.25663	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663	
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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 55.3411407 55.3411407 ± 0.2	
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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5	
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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04	
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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625	
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 55.3411407 55.3411407 ± 0.2 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625	
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_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 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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	3627181805E-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.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 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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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	3627181805E-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.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 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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 7.5398756e-005 7.53953791e-005 ± 1.25663	3627181805E-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.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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 7.5398756e-005 7.53953791e-005 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362	3627181805E-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.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.VehSpd_kph_f32	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 7.5398756e-005 7.53953791e-005 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362 145.500351 145.500351 ± 0.2	3627181805E-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.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.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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5	3627181805E-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.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.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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625	3627181805E-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.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.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	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362 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	3627181805E-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.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.PitPinTrq_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.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.NttrVel_MtrRadpS_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.Timer2Thresh_mS_u16	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362 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	3627181805E-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtPel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FittPinTrq_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.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NttrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FittPinTrq_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_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362 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	3627181805E-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FittPinTrq_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.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FittPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FittPinTrq_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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362 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 569984000 569984000	3627181805E-06 3627181805E-06 27181805E-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtPel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FittPinTrq_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.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NttrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FittPinTrq_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_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3.76701355e-005 3.76984026e-005 ± 1.25663 8.79764557e-005 8.79607251e-005 ± 1.25663 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 ± 1.25663 0.000314116478 0.00031410993 ± 1.2566362 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	3627181805E-06 3627181805E-06 27181805E-06



Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-0	3 🗸
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDvn SLPHwPos HwDea M f32	0	0	✓

Τ				
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	32.0222664	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989	
k AutoCntrHiSpdFilt2Kn Hz f32	0.063000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	575.91394	
k AutoCntrHiSpdTimer1PinTrg 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_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	8.16609764	
AutoCntrHiSpdTimer4VehSpd kph f32	68	
< AutoCntrHiSpdTimer4 mS u16	31042	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.9834061	
<_AutoCntrLoSpdCntrWindow_nwbeg_is2 <_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0049999989	
AutoCntrLoSpdFilt2Kn Hz f32	0.0049999989	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.818787	
<_AutoCntrLoSpdTimer1MitrVei_MitrRadpS_is2 <_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.82910013	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	29.3435669	
AutoCntrLoSpdTimer1 venSpd_kpri_is2 AutoCntrLoSpdTimer1 mS u16	25532	
AutoCntrLoSpdTimer1_inS_u16 AutoCntrLoSpdTimer2_mS_u16	27401	
	0.00499999989	
<_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00439999969	
<_SLPEnableBFCheck_Cnt_lgc	0.436800003	
k_SLPHwAuthority_Uls_f32		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-161.029999	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset 2242866176	
tgt_GetSystemTime_mS_u32_CurrentTime		1_
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	312.352844 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	68 68 ± 0.5	•
/ehDyn_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 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31042 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2242866176 2242866176	ļ ·
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-0	
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0	
		(
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	575.91394 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	204.072876 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04	
/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	204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 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	204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 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	204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625	
/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	204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 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.Timer1_mS_u32	204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2	
/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	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	
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	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 2242866176	3
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	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 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0	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.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_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000791370869 0.000791368075 ± 1.25663627181805E-06	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 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	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 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000791370869 0.000791368075 ± 1.25663627181805E-06 195.818787 195.818787 ± 0.2	
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_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.VehSpd_kph_f32	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 22428566176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000791370869 0.000791368075 ± 1.25663627181805E-06 195.818787 195.818787 ± 0.2 29.3435669 29.3435669 ± 0.5	3
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	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 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000791370869 0.000791368075 ± 1.25663627181805E-06 195.818787 195.818787 ± 0.2 29.3435669 29.3435669 ± 0.5 7.82910013 7.82910013 ± 0.04	6



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	~

T				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)		
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	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	0.00899999961	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.443399996	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-185.063004	
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	2269150976	
		Danu
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666 ± 0.2	ļ.,
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	103.723984	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0 0 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.3993683 51.3993683 ± 0.0625	1
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16931 16931 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	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-0	
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 ± 0.2	
	92.026535 ± 0.5	1
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.00629902 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	8.00629902 ± 0.04	
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	8.00629902 8.00629902 ± 0.04 7.2738266 7.2738266 ± 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 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	8.00629902 8.00629902 ± 0.04 7.2738266 7.2738266 ± 0.0625 16931 16931 ± 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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	8.00629902 8.00629902 ± 0.04 7.2738266 7.2738266 ± 0.0625 16931 16931 ± 2 4574 4574 ± 2	
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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	8.00629902	
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	8.00629902	
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	8.00629902	6



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	~

T				✓
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	0.0049999989	
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_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	0	
k_SLPHwAuthority_Uls_f32	0.44999988	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-209.095993	
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	3533260288	
Name	Actual Value Expected Value	Resi
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	201.577209 201.577209 ± 0.2	1100
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	194.557587 194.557587 ± 0.5	
/ehDyn_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_AutoChtrDetSpd_M_str.Timer2Trilestr_His_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		
	3533260288 3533260288 3533260288	
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	0.000791370869	
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	
	91.5981827 91.5981827 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32		
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20459 20459 ± 2	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32		



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	~

T				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 2.84 (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_Ge	etNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
<pre>c_AutoCntrHiSpdCntrWindow_HwDeg_f32</pre>	87.8902435		
c_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0759999976		
c_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009		
c_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	80.0510254		
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.94539928		
	124.186646		
c_AutoCntrHiSpdTimer1_mS_u16	42690		
:_AutoCntrHiSpdTimer2_mS_u16	2570		
AutoCntrHiSpdTimer4CntrWindow HwDeg f32	23.81703		
: AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	531.758972		
AutoCntrHiSpdTimer4PinTrq HwNm f32	6.92990065		
AutoCntrHiSpdTimer4VehSpd kph f32	245.5401		
AutoCntrHiSpdTimer4 mS u16	34733		
AutoCntrLoSpdCntrWindow HwDeg f32	99.4496155		
: AutoCntrLoSpdFilt1Kn Hz f32	0.0250000004		
	0.0458000004		
:_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	289.349548		
AutoCntrLoSpdTimer1PinTrg HwNm f32	14.9216394		
AutoCntrLoSpdTimer1VehSpd kph f32	158.512024		
AutoCntrLoSpdTimer1 mS u16	33241		
AutoCntrLoSpdTimer2 mS u16	55884		
AutoCntrPinTrqLPFCoeffKn Hz f32	0.0759999976		
SLPEnableBFCheck Cnt lgc	0		
SLPHwAuthority Uls 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 Igc	0		
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
gt_GetSystemTime_mS_u32_CurrentTime	1759885568		
Name		Expected Value	Res
		•	Res
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		531.758972 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32		245.5401 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32		3.92990065 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32		23.81703 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16		12690 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16		34733 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		759885568	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32		1759885568	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		0.00031410993 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		0.000575374172 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32		30.0510254 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32		24.186646 ± 0.5	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32		3.94539928 ± 0.04	
John AutoCatrHiend M. atr CatrMindow, HurDog, 522	07 0000405	7 0000435 + 0 0005	

87.8902435

VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32

87.8902435 ± 0.0625



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	~

Τ				✓
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_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915	
x_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009	
_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218	
c_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68037319	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226	
AutoCntrHiSpdTimer1_mS_u16	30272	
AutoCntrHiSpdTimer2_mS_u16	2904	
 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	
 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	
AutoCntrLoSpdTimer1VehSpd kph f32	125.396591	
AutoCntrLoSpdTimer1 mS u16	36412	
AutoCntrLoSpdTimer2 mS u16	14998	
AutoCntrPinTrqLPFCoeffKn Hz f32	0.0225000009	
SLPEnableBFCheck Cnt Igc	1	
CSLPHwAuthority_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	
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	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	209.062363 209.062363 ± 0.5	
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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.Timer1_m3_us2	1662097408 1662097408	
	0.000791370869 0.000791368075 ± 1,25663627181805E-0	6
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32		



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	~
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	~
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	~

T				✓
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 2.86 (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	0.0491000004		
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		
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_Uls_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	Resu
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	~

Т				✓
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)			
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_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688		
Name	Actual Value	Expected Value	Resi
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.168243	400.168243 ± 0.2	
· · · -	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	~

T				✓
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	Resu
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	

T				✓
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	~

Т				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	0.0049999989
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	0.300000012		
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_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	0.30000012	~
VehDyn_SLPHwPos_HwDeg_M_f32	-689.755981	-689.755981	~

Τ				✓
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 2.91 (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	



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 lgc	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 Igc	0		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	400.168243	400.168243 ± 0.2	- toouit
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.4615631	17.4615631 ± 0.5	~
VehDyn AutoCntrDetSpd M str.FiltPinTrg 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_AutoChtrDetSpd_M_str.Timer2+mestr_ms_u+o 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.FiltPinTrg 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_AutoChtrHiSpd_M_str.Timer1Thresh_mS_u16	3572	3572 ± 2	~
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2167769344	2167769344	-
VehDyn_AutoChtrHiSpd_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	,
· - · ·	0.000188469887	0.000188477788 ± 1.25663627181805E-06	· ·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	443.858398	443.858398 ± 0.2	
	226.96962	226.96962 ± 0.5	·
VehDyn_AutoCotrl oSpd_M_str.VehSpd_kph_f32	3.18688083	3.18688083 ± 0.04	,
VehDyn_AutoCotrl oSpd_M_str.FiltPinTrq_HwNm_f32			· ·
VehDyn_AutoCotrl oSpd_M_str.CntrWindow_HwDeg_f32	62.1222305 54120	62.1222305 ± 0.0625 54120 ± 2	,
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16			~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	46193	46193 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2167769344	2167769344 2167769344	*
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2167769344	1 111	*
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879 0.000314116478	0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1		*
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	~

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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	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
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		
	55.9956245		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	84.2065811		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 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 Igc	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	84.2065811 ± 0.2	~
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	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	55.9956245	55.9956245 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	6114	6114 ± 2	_
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	32226	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	55.3411407 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	102.746277	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	7.04372168 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	6114	6114 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3906	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	94.8519287 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.452816	12.452816 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	9.00450611	9.00450611 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19115	19115 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	24462	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	0	~

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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 AutoCntrHiSpdTimer1PinTrg 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 AutoCntrLoSpdTimer1PinTrg 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	~
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	~
VehDyn_PinTrqSV_M_str.K_Uls_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	✓

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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	0.063000001		
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 k_AutoCntrLoSpdFilt1Kn_Hz_f32	65.2026672 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 AutoCntrPinTrgLPFCoeffKn Hz f32	0.0458000004		
k SLPEnableBFCheck Cnt Igc	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	•
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	71426560	71426560	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	71426560	71426560	~
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	V
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	· ·
VehDyn_AutoCotrl liSad_M_atr.Timer2Thresh_mS_u16	4574 71426560	4574 ± 2 71426560	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	71426560	71426560	-
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	0.000373374772 ± 1.25063627181805E-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	71426560	71426560	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	71426560	71426560	•
	0.000113070011	0.000113090937 ± 1.25663627181805E-06	-
venDyn_AutoCntrLoSpd_ivi_str.ReiHwPosFilt1Sv_HwDeg_str.K_Uis_t32			~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478 0.000575363636	0.000575374172 ± 1.25663627181805E-06	
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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) 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	459.889984	
k AutoCntrHiSpdTimer4PinTrg HwNm f32	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_AutoCntrLoSpdTimer1PinTrg_HwNm_f32	15.5773945	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	208.55397	
k_AutoCntrLoSpdTimer1 wenSpd_kpn_is2 k_AutoCntrLoSpdTimer1 mS_u16	19617	
	42138	
k_AutoCntrLoSpdTimer2_mS_u16 k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
	1	
k_SLPEnableBFCheck_Cnt_lgc	0.45660001	
k_SLPHwAuthority_UIs_f32		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-233.128998	
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	0	1_
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	91.4300919 91.4300919 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20825 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	20825 20825 ± 2 47347 47347 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	20825 20825 ± 2 47347 47347 ± 2 0 0	
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	20825 20825 ± 2 47347 47347 ± 2	
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	20825 20825 ± 2 47347 47347 ± 2 0 0	
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	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0	
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	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-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	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000841617584 0.000841592497 ± 1.25663627181805E-0	
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	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000841617584 0.000841592497 ± 1.25663627181805E-0 57.2952843 57.2952843 ± 0.2	6
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	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000841617584 0.000841592497 ± 1.25663627181805E-06 57.2952843 57.2952843 ± 0.2 11.313797 11.313797 ± 0.5	
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 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3
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 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5
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 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.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 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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5
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 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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5
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.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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6
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.NetPlHwPosFilt2SV_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_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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5
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.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrg_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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5
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.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrg_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.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.FiltPinTrg_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5
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.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.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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WtvPl_MtrRadpS_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.FiltPinTrq_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5
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.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.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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3
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_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.Timer1Thresh_mS_u52 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_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.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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000841617584 0.000841592497 ± 1.25663627181805E-0 57.2952843 57.2952843 ± 0.2 11.313797 11.313797 ± 0.5 2.56739569 2.56739569 ± 0.04 58.6891289 58.6891289 ± 0.0625 20825 20825 ± 2 12456 12456 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 195.074249 195.074249 ± 0.2 208.55397 208.55397 ± 0.5 15.5773945 45.5890503 ± 0.0625 19617 19617 ± 2	3
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.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.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.RelHwPosFilt1SV_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.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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6
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_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u22 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.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000841617584 0.000841592497 ± 1.25663627181805E-06 57.2952843 57.2952843 ± 0.2 11.313797 11.313797 ± 0.5 2.56739569 2.56739569 ± 0.04 58.6891289 58.6891289 ± 0.0625 20825 20825 ± 2 12456 12456 ± 2 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 195.074249 195.074249 ± 0.2 208.55397 208.55397 ± 0.5 15.5773945 45.5890503 ± 0.0625 19617 19617 ± 2 42138 42138 ± 2 0 0 0 0	6
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.RelHwPosFiit2SV_HwDeg_str.K_Uls_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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 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.RelHwPosFiit2SV_HwDeg_str.K_Uls_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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	20825 20825 ± 2 47347 47347 ± 2 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000841617584 0.000841592497 ± 1.25663627181805E-06 57.2952843 57.2952843 ± 0.2 11.313797 11.313797 ± 0.5 2.56739569 2.56739569 ± 0.04 58.6891289 58.6891289 ± 0.0625 20825 20825 ± 2 12456 12456 ± 2 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 195.074249 195.074249 ± 0.2 208.55397 208.55397 ± 0.5 15.5773945 15.5773945 ± 0.04 45.5890503 45.5890503 ± 0.0625 19617 19617 ± 2 42138 42138 ± 2 0 0 0 0	5
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.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_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.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.CntrWindow_HwDeg_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.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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 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	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000841617584 0.000841592497 ± 1.25663627181805E-06 57.2952843 57.2952843 ± 0.2 11.313797 11.313797 ± 0.5 2.56739569 2.56739569 ± 0.04 58.6891289 58.6891289 ± 0.0625 20825 20825 ± 2 12456 12456 ± 2 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 15.5773945 15.5773945 ± 0.04 45.5890503 45.5890503 ± 0.0625 19617 19617 ± 2 42138 42138 ± 2 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06	5
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.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.Timer2Thresh_mS_u5 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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	20825 20825 ± 2 47347 47347 ± 2 0 0 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000841617584 0.000841592497 ± 1.25663627181805E-06 57.2952843 57.2952843 ± 0.2 11.313797 11.313797 ± 0.5 2.56739569 2.56739569 ± 0.04 58.6891289 58.6891289 ± 0.0625 20825 20825 ± 2 12456 12456 ± 2 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000314116478 0.00031410993 ± 1.25663627181805E-06 195.074249 195.074249 ± 0.2 208.55397 208.55397 ± 0.5 15.5773945 15.5773945 ± 0.04 45.5890503 45.5890503 ± 0.0625 19617 19617 ± 2 42138 42138 ± 2 0 0 0.000314116478 0.00031410993 ± 1.25663627181805E-06	5



Τ				
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	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		
	51762		
k_AutoCntrHiSpdTimer1_mS_u16	1234		
k_AutoCntrHiSpdTimer2_mS_u16			
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	0		
k_SLPHwAuthority_Uls_f32	0.463200003		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-257.161987		
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	Resu	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	637.189331 ± 0.2		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	60.9433594 ± 0.5		
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.48333788 ± 0.04		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	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	4294967295 4294967295		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295 4294967295		
VobDun AutoCatrDotCad M ats Ball In Bas Fill (CV 11-0-2-1-1/11-02			
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000791370869 0.000791368075 ± 1.25663627181805E-	06	
· - · · - ·	0.000791370869 0.000791368075 ± 1.25663627181805E- 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 0.5 20 20 ± 0.04 39.9920425 39.9920425 ± 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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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	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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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	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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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	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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 595.803711 595.803711 ± 0.2 249.256897 249.256897 ± 0.5 20 20 ± 0.04 39.9920425 39.9920425 ± 0.0625 51762 51762 51762 ± 2 1234 1234 ± 2 4294967295 4294967295 4294967295 4294967295 2.50339508e-006 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.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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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 0.000439703465 0.000439726253 ± 1.25663627181805E	06	
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.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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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 0.000439703465 0.000439726253 ± 1.25663627181805E- 112.469505 112.469505 ± 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 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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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- 0.000439703465 0.000439726253 ± 1.25663627181805E- 112.469505 112.469505 ± 0.2 138.473877 138.473877 ± 0.5	006	
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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- 0.000439703465 0.000439726253 ± 1.25663627181805E- 112.469505 112.469505 ± 0.2 138.473877 138.473877 ± 0.5 9.19094181 9.19094181 ± 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_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	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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 0.000439703465 0.000439726253 ± 1.25663627181805E- 112.469505 112.469505 ± 0.2 138.473877 138.473877 ± 0.5 9.19094181 9.19094181 ± 0.04 70.5879364 70.5879364 ± 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 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	7.53998756e-005 7.53998756e-005 595.803711 595.803711±0.2 249.256897 249.256897 20 20±0.04 39.9920425 51762 51762 1234 1234±2 4294967295 4294967295 4294967295 2.50339508e-006 2.51327106e-006±1.25663627181805E-0.000439703465 112.469505 112.469505 112.469505 1138.473877 9.19094181 9.19094181±0.04 70.5879364 45601±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_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 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7.53998756e-005 7.53998756e-005 595.803711 595.803711±0.2 249.256897 20 20±0.04 39.9920425 51762 1234 1234±2 4294967295 4294967295 4294967295 2.50339508e-006 0.000439703465 112.469505 112.469505 112.469505 112.469505 138.473877 9.19094181 70.5879364 45601±2 16090 16090±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.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.Timer2mS_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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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- 0.000439703465 0.000439726253 ± 1.25663627181805E- 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 4294967295 4294967295	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.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.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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	7.53998756e-005 7.53998756e-005 595.803711 595.803711±0.2 249.256897 249.256897 20 20±0.04 39.9920425 51762 1234 1234 2494967295 4294967295 4294967295 2.50339508e-006 0.000439703465 0.000439703465 112.469505 112.469505 138.473877 138.473877 9.19094181 9.19094181 9.19094181 9.19094181 9.19094181 10.04 70.5879364 70.5879364 45601 45601 45601 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295	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.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.Timer2mS_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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	7.53998756e-005 7.53953791e-005 ± 1.25663627181805E 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- 0.000439703465 0.000439726253 ± 1.25663627181805E- 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 4294967295 4294967295	0.06	



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	✓
VehDvn SLPHwPos HwDea M f32	-257.161987	-257.161987	_

Τ				
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	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	
k AutoCntrLoSpdTimer2 mS u16	34521	
k AutoCntrPinTrgLPFCoeffKn Hz f32	0.00499999989	
k SLPEnableBFCheck Cnt lgc	1	
k SLPHwAuthority Uls f32	0.469799995	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-281.195007	
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	1720406272	
Name	Actual Value Expected Value	Resul
	190.477554 190.477554 ± 0.2	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	178.790085 178.790085 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32		
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	1.11	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53632 53632 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272 1720406272	
	1720406272 1720406272	•
	0.000770704.000	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289 0.000778811518 ± 1.25663627181805E-	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E	06
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1\$V_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2\$V_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2	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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5	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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04	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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625	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.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	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 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.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	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 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.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	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272	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.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_thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272	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.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	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272 0.00125586987 0.00125584786 ± 1.25663627181805E-0	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.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	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272	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.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	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272 0.00125586987 0.00125584786 ± 1.25663627181805E-0	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.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_thresh_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	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272 0.00125586987 0.00125584786 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0	006
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272 0.00125586987 0.00125584786 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 114.137932 114.137932 ± 0.2	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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272 0.00125586987 0.00125584786 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 114.137932 114.137932 ± 0.2 109.448532 109.448532 ± 0.5	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.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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.7990036e-005 9.80128898e-005 ± 1.25663627181805E 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272 0.00125586987 0.00125584786 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 114.137932 114.137932 ± 0.2 109.448532 109.448532 ± 0.5 1.63759208 ± 0.04	06



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	~

T				
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)			y	
Name	Input Value			
	Input Value			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	Cathiro Antico NITCA atico Dia Tilan		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_	Getin I Cactive_N I Cactive_Pti_1_igc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2 24.5077915			
k_AutoCntrHiSpdCntrWindow_HwDeg_f32				
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989			
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	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	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	✓	
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		
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	✓	
		1		
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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	•

T				
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	
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_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	
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	0.063000001	
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	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	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 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187 7187 ± 2	
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	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011 0.000113090937 ± 1.25663627181805E-06	
	683.818359 683.818359 ± 0.2	١.,
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	11111 11111 11111	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.4863586 34.4863586 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.4863586 34.4863586 ± 0.5 0.0764636993 0.0764636993 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.0764636993 ± 0.04	,
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0.0764636993 0.0764636993 ± 0.04 91.3826141 91.3826141 ± 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	0.0764636993 0.0764636993 ± 0.04 91.3826141 91.3826141 ± 0.0625 23210 23210 ± 2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0.0764636993 0.0764636993 ± 0.04 91.3826141 91.3826141 ± 0.0625	



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	•

T				
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:

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

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	0.00019999995
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
x_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0
c_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0
<_AutoCntrHiSpdTimer4VehSpd_kph_f32	0
x_AutoCntrHiSpdTimer4_mS_u16	0
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	0
c_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00019999995
<_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00019999995
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	0
c_AutoCntrLoSpdTimer1VehSpd_kph_f32	0
x_AutoCntrLoSpdTimer1_mS_u16	0
<_AutoCntrLoSpdTimer2_mS_u16	0
<_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00019999995
_SLPEnableBFCheck_Cnt_lgc	0
_SLPHwAuthority_Uls_f32	0
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
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	0		
Name	Actual Value	Expected Value	Resul
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_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	

T				
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	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	~	

Τ				✓
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



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_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.FiltPinTrg 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	-

Τ				
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	•