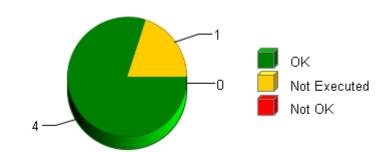


Summary

Overall Test Object Results (including Coverage)



Date: 2014-09-19 **Time:** 20:10:31+0530



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" Test Object "CBD_UnitTest/VehDyn/VehDyn_Trns1"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

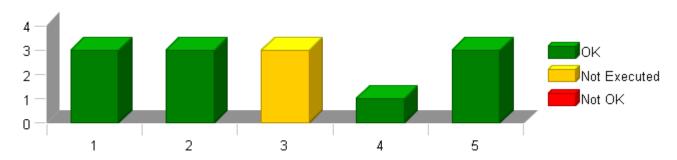
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

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

Multiple Condition Coverage

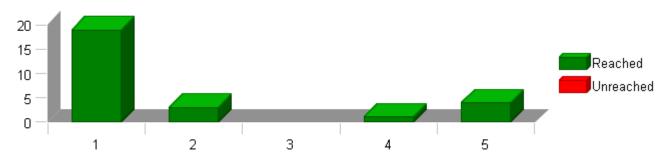
Test Case Results for Each Test Object (without Coverage)



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).

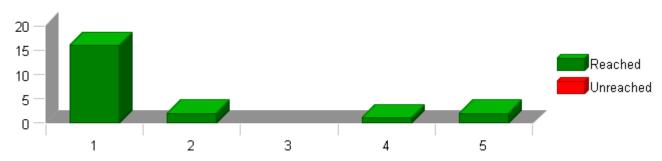


Statement (C0) Coverage: Total Statements for Each Test Object



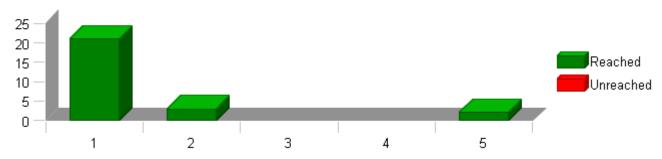
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

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

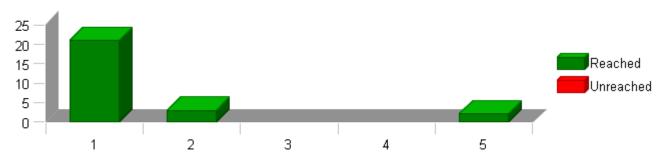


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage,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

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



MCC Coverage: Total Condition Combinations for Each Test Object



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

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

TEST OVERVIEW REPORT

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Test Object List

Project VehDyn

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

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

No.	Name	C0	C1	MC/DC	MCC	Test Cases	Result
	VehDyn	100 %	100 %	100 %	100 %	10 of 13 passed	~
	CBD_UnitTest	100 %	100 %	100 %	100 %	10 of 13 passed	•
	VehDyn	100 %	100 %	100 %	100 %	10 of 13 passed	~
1	Autocenter f32	100 %	100 %	100 %	100 %	3 of 3 passed	•
2	VehDyn Init1	100 %	100 %	100 %	100 %	3 of 3 passed	~
3	VehDyn Per1	-	-	-	-	-	A
4	VehDyn SCom	100 %	100 %	-	-	1 of 1 passed	~
5	VehDyn Trns1	100 %	100 %	100 %	100 %	3 of 3 passed	~

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 Project
 VehDyn

 Module
 VehDyn

 Test Object
 VehDyn_SCom

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)\VehDyn\src\Ap_VehDyn.c	
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -Dexpf=exp -l\$(PROJECTROOT)\VehDyn\utp\contract\Ap_VehDyn -l\$(PROJECTROOT)\VehDyn \utp\contract -l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT)\StdDef\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools \compiler\tms470\include	

Name	Text
Module 'VehDyn'	Name of Tester:Sunita Kore Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3 Module Design Document:VehDyn_MDD.docx Module Design Document Version:4 Data Dictionary Version:5 Unit Test Plan Version:2 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 1.30
	Total FLASH Used (Bytes):2054 Total RAM Used (Bytes):188 Total CALS Used (Bytes):107 Special Test Requirements: Test Date:9/19/2014 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for refernce. NOTE3:Regarding DD Modification:-
	DD: Received Version: 4 Modified version: 5 Range of variables "VehDyn_MinOffset_HwDeg_M_f32" and "VehDyn_MaxOffset_HwDeg_M_f32" are updated in DD with highlighted portion. "

Attributes				
Name	Value			
Compiler Install Path	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>			
Float Precision	9			
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd			
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre>			

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VehDyn_SCom



Attributes				
Name	Value			
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 3.2</pre>			
Time Unit	Cycles			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
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: Boundary Test

Specification

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

CPU Cycles:

TS1.1 589.00 Cycles

Description Vector Description:

TS1.1Initialization

Test Step 1.1 (Repeat Count = 1)				
Name	Input Value	Input Value		
Rte_Inst_Ap_VehDyn	target_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.NVMStoredLastPosValid_Cnt_lgc	0	0	✓	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	✓	

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

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Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Init1

Instrumentation: Test Object Only

Statement (C0) 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)\VehDyn\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -Dexpf=exp -l\$(PROJECTROOT)\VehDyn\utp\contract\Ap_VehDyn -l\$(PROJECTROOT)\VehDyn\utp\contract\-l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT)\StdDef\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools \compiler\tms470\include

lame	Text
lodule 'VehDyn'	**************************************
	Name of Tester:Sunita Kore Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3 Module Design Document:VehDyn_MDD.docx Module Design Document Version:4 Data Dictionary Version:5 Unit Test Plan Version:2 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 1.30 Total FLASH Used (Bytes):188 Total RAM Used (Bytes):188 Total CALS Used (Bytes):107 Special Test Requirements:
	Test Date:9/19/2014 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for refernce.
	NOTE3:Regarding DD Modification:- DD: Received Version: 4 Modified version: 5 Range of variables "VehDyn_MinOffset_HwDeg_M_f32" and "VehDyn_MaxOffset_HwDeg_M_f32" are updated in DD with highlighted portion.
	-

Attributes	
Name	Value
Compiler Install Path	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src

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VehDyn_Init1



Attributes	
Name	Value
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 3.2</pre>
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
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 4064.00 Cycles Shortest Execution Path TS1.2 3995.00 Cycles Longest Execution Path

Description Vector Description:

Test Step 1.1 (Repeat Count = 1)

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

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Currer	ntTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584798		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.10000001		
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	0.10000001		
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_UIs_f32	1		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	~
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	255	255 ± 0.5	V
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	0.00125584798 ± 1.25663627181805E-06	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00125586987	0.00125584798 ± 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.FiltPinTrg 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	V
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	0.00125584798 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 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	-
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Test Step 1.2 (Repeat Count = 1)





	Tarana and a same		1
Name	Actual Value	Expected Value	Result
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	0.00125584798 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

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

rest step 1.2 (Repeat South 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	urrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.99999975e-006		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	16.8675175		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00779999979		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	511.249969		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.49991417		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	119.398392		
k_AutoCntrHiSpdTimer1_mS_u16	19956		
k_AutoCntrHiSpdTimer2_mS_u16	1111		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.1357269		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	577.715271		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.6059322		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	69.9332428		
k_AutoCntrHiSpdTimer4_mS_u16	47307		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	97.2305069		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0649999976		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.4742603		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	113.628799		
k_AutoCntrLoSpdTimer1_mS_u16	49475		
k_AutoCntrLoSpdTimer2_mS_u16	38708		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.00120000006		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFAct	ive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428	69.9332428 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	•
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	19956	19956 ± 2	_
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307	47307 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000433703403	0.000816481013 ± 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.TimerTThresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1111	1111 ± 2	
VehDyn AutoCntrHiSpd M str.Timer2 ms u32			*
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272 1720406272	1720406272 1720406272	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	
VOID YIL_AGOOTHI I IIOPU_IVI_SU\CII IWF USFIIL I SV_FIWDEY_SU\CIIS_I32	0.202323306-003	0.2133330C-003 I 1.23003021 101003E-00	_





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-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	0.000439725991 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816481013 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.00120000006	0.00120000006	•
VehDyn SLPHwPos HwDeg M f32	1425.14795	1425.14795	✓

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

VehDyn_Init1

2014-09-19, 20:06:17+0530



Test Case 2: Boundary Test

2014-09-19, 20:06:17+0530

VehDyn_Init1



Specification

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

CPU Cycles

TS2.1 4053.00 Cycles TS2.2 3974.00 Cycles TS2.3 3940.00 Cycles TS2.4 3940.00 Cycles TS2.4 3940.00 Cycles
TS2.5 3940.00 Cycles
TS2.5 3940.00 Cycles
TS2.6 3940.00 Cycles
TS2.7 3940.00 Cycles
TS2.8 3940.00 Cycles
TS2.9 3940.00 Cycles
TS2.10 3940.00 Cycles
TS2.11 3940.00 Cycles
TS2.12 3940.00 Cycles
TS2.13 3940.00 Cycles
TS2.14 3940.00 Cycles
TS2.15 3940.00 Cycles
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TS2.18 3940.00 Cycles
TS2.19 3940.00 Cycles TS2.19 3940.00 Cycles TS2.20 3940.00 Cycles TS2.21 3940.00 Cycles TS2.22 3940.00 Cycles TS2.23 3940.00 Cycles TS2.24 3940.00 Cycles TS2.25 3940.00 Cycles TS2.26 3940.00 Cycles TS2.27 3940.00 Cycles TS2.28 3940.00 Cycles TS2.29 3940.00 Cycles TS2.30 3940.00 Cycles TS2.31 3940.00 Cycles TS2.32 3940.00 Cycles TS2.33 3940.00 Cycles TS2.34 3940.00 Cycles TS2.33 3940.00 Cycles TS2.34 3940.00 Cycles TS2.35 3940.00 Cycles TS2.36 3940.00 Cycles TS2.37 3940.00 Cycles TS2.38 3940.00 Cycles TS2.39 3940.00 Cycles TS2.39 3940.00 Cycles TS2.40 3940.00 Cycles TS2.41 3940.00 Cycles TS2.42 3940.00 Cycles TS2.43 3940.00 Cycles TS2.44 3940.00 Cycles TS2.45 3940.00 Cycles TS2.46 3940.00 Cycles TS2.47 3940.00 Cycles TS2.48 3940.00 Cycles TS2.49 3940.00 Cycles TS2.50 3940.00 Cycles TS2.51 3940.00 Cycles TS2.51 3940.00 Cycles TS2.51 3940.00 Cycles TS2.52 3940.00 Cycles TS2.53 3940.00 Cycles TS2.54 3940.00 Cycles TS2.55 3940.00 Cycles TS2.54 3940.00 Cycles
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TS2.64 3940.00 Cycles
TS2.66 3940.00 Cycles
TS2.66 3940.00 Cycles
TS2.67 3940.00 Cycles
TS2.69 3940.00 Cycles
TS2.71 3940.00 Cycles
TS2.71 3940.00 Cycles
TS2.72 3940.00 Cycles
TS2.73 3940.00 Cycles
TS2.74 3940.00 Cycles
TS2.73 3940.00 Cycles
TS2.74 3940.00 Cycles
TS2.75 3940.00 Cycles
TS2.77 3940.00 Cycles
TS2.78 3940.00 Cycles
TS2.79 3940.00 Cycles
TS2.79 3940.00 Cycles TS2.79 3940.00 Cycles TS2.80 3940.00 Cycles TS2.81 3940.00 Cycles TS2.82 3940.00 Cycles TS2.83 3940.00 Cycles TS2.83 3940.00 Cycles TS2.84 3940.00 Cycles TS2.85 3940.00 Cycles TS2.86 3940.00 Cycles TS2.87 3940.00 Cycles

TS2.88 3940.00 Cycles

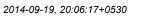


Description Vector Description:

TS2.1All Min TS2.2All Max TS2.3k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Min TS2.4k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Max TS2.5k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Pos TS2.6k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Min TS2.7k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Max TS2.8k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Pos TS2.8k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Pos TS2.9k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Min TS2.10k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Max TS2.11k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Pos TS2.12k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Min TS2.13k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Max TS2.14k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Pos TS2.14k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Pos TS2.15k_AutoCntrLoSpdTimer1_mS_u16==>Max TS2.17k_AutoCntrLoSpdTimer1_mS_u16==>Pos TS2.17k_AutoCntrLoSpdTimer1_mS_u16==>Pos TS2.18k_AutoCntrLoSpdTimer1_mS_u16==>Pos TS2.18k_AutoCntrLoSpdTimer2_mS_u16==>Pos TS2.18k_AutoCntrLoSpdTimer2_mS_u16==>Min TS2.19k_AutoCntrLoSpdTimer2_mS_u16==>Max TS2.19k_AutoCntrLoSpdTimer2_mS_u16==>Max TS2.20k_AutoCntrLoSpdTimer2_mS_u16==>Pos TS2.21k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Min TS2.22k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Max TS2.23k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Pos TS2.24k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Min TS2.25k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Max TS2.26k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Pos TS2.27k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Min TS2.28k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Max TS2.29k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Pos TS2.30k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Min TS2.31k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Max TS2.32k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Pos TS2.33k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Min TS2.34k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Max TS2.35k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Pos
TS2.36k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Min
TS2.37k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Max TS2.38k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Pos TS2.39k_AutoCntrHiSpdTimer1_mS_u16==>Min TS2.40k_AutoCntrHiSpdTimer1_mS_u16==>Max TS2.41k_AutoCntrHiSpdTimer1_mS_u16==>Pos TS2.42k_AutoCntrHiSpdTimer4_mS_u16==>Min TS2.43k_AutoCntrHiSpdTimer4_mS_u16==>Max TS2.44k_AutoCntrHiSpdTimer4_mS_u16==>Pos TS2.45k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Min TS2.46k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Max TS2.47k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Pos TS2.48k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Min TS2.49k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Max TS2.50k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Pos TS2.51k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Min TS2.52k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Max TS2.53k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Pos TS2.54k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Min TS2.55k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Max TS2.56k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Pos TS2.57k AutoCntrHiSpdTimer2 mS u16==>Min TS2.58k AutoCntrHiSpdTimer2 mS u16==>Max TS2.59k_AutoCntrHiSpdTimer2_mS_u16==>Pos TS2.60k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min TS2.61k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Max TS2.62k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Pos TS2.63k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Min TS2.64k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Max TS2.65k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Pos TS2.66k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Min TS2.67k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Max TS2.68k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Pos TS2.69VehDyn_PinTrqSV_M_Str.K==>Min TS2.70VehDyn_PinTrqSV_M_Str.K==>Max TS2.71VehDyn_PinTrqSV_M_Str.K==>Pos TS2.72K_AutoCntrHiSpdTimer2_mS_u16==>Pos TS2.72k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min
TS2.73k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min
TS2.74k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Max
TS2.75FaultBFActive_Cnt_lgc==>Min
TS2.76FaultBFActive_Cnt_lgc==>Max
TS2.77Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Min
TS2.78Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Max TS2.78Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc = Max
TS2.79k_SLPEnableBFCheck_Cnt_Igc = Min
TS2.80k_SLPEnableBFCheck_Cnt_Igc = Max
TS2.81k_SLPHwAuthority_Uls_f32 = Min
TS2.82k_SLPHwAuthority_Uls_f32 = Min
TS2.82k_SLPHwAuthority_Uls_f32 = Pos
TS2.84R_SLPHwAuthority_Uls_f32 = Pos
TS2.84R_Te_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Min
TS2.85R_Te_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Max
TS2.85R_Te_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Max TS2.86Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Zero TS2.87Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Pos TS2.88Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Neg

Test Step 2.1 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime

VehDyn_Init1





Name :	Invest Walter		
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51000006e-006		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0.000199999995		
k_AutoCntrHiSpdFilt1Kn_Hz_f32 k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000199999995		
	0.000199999999		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 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 AutoCntrHiSpdTimer4PinTrg HwNm f32	0		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	0		
k AutoCntrHiSpdTimer4 mS u16	0		
k AutoCntrLoSpdCntrWindow HwDeg f32	0		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000199999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.000199999995		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0		
k AutoCntrLoSpdTimer1PinTrq HwNm f32	0		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	0		
k_AutoCntrLoSpdTimer1_mS_u16	0		
k_AutoCntrLoSpdTimer2_mS_u16	0		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.000199999995		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	0		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	_
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32			
7 - 1 - 2 - 6 -	0	0 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 0.0625 0 ± 2	*
			~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	\rightarrow \frac{1}{\rightarrow \cdot \frac{1}{\rightarrow \cdot
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0	0 ± 2 0 ± 2	\rightarrow \right
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0 0 0	0 ± 2 0 ± 2 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	0 0 0 0 2.50339508e-006 2.50339508e-006	0 ± 2 0 ± 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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0 0 0 0 2.50339508e-006 2.50339508e-006 0	0 ± 2 0 ± 2 0 0 2.51000006e-006 ± 1.25663627181805E-06 0 ± 0.2	· · · · · · · · · · · · · · · · · · ·
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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0 0 0 0 2.50339508e-006 2.50339508e-006 0	0 ± 2 0 ± 2 0 0 2.51000006e-006 ± 1.25663627181805E-06 0 ± 0.2 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_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0 0 0 0 2.50339508e-006 2.50339508e-006 0	0 ± 2 0 ± 2 0 0 2.51000006e-006 ± 1.25663627181805E-06 0 ± 0.2 0 ± 0.5 0 ± 0.04	· · · · · · · · · · · · · · · · · · ·
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VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_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	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0	0 ± 2 0 ± 2 0 0 2.51000006e-006 ± 1.25663627181805E-06 0 ± 0.2 0 ± 0.5 0 ± 0.04 0 ± 0.0625 0 ± 2 0 ± 2	
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VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 0	0 ± 2 0 ± 2 0 2.51000006e-006 ± 1.25663627181805E-06 2.51000006e-006 ± 1.25663627181805E-06 0 ± 0.2 0 ± 0.5 0 ± 0.04 0 ± 0.0625 0 ± 2 0 ± 2 0 0 2.51000006e-006 ± 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.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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 0 2.50339508e-006 2.50339508e-006	$\begin{array}{c} 0\pm2 \\ 0\pm2 \\ 0 \\ 0 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 0\pm0.2 \\ 0\pm0.5 \\ 0\pm0.04 \\ 0\pm0.0625 \\ 0\pm2 \\ 0 \\ 0 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ \end{array}$	
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.RelHwPosFiilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiiltPinTrq_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.RelHwPosFiilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0\pm2 \\ 0\pm2 \\ 0 \\ 0 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 0\pm0.2 \\ 0\pm0.5 \\ 0\pm0.04 \\ 0\pm0.0625 \\ 0\pm2 \\ 0 \\ 0 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 0\pm0.2 \\ \end{array}$	
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.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_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_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 0 2.50339508e-006 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0\pm2 \\ 0\pm2 \\ 0 \\ 0 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 0\pm0.2 \\ 0\pm0.5 \\ 0\pm0.04 \\ 0\pm0.0625 \\ 0\pm2 \\ 0\pm2 \\ 0 \\ 0 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 2.51000006e-006\pm1.25663627181805E-06 \\ 0\pm0.2 \\ 0\pm0.5 \\ \end{array}$	
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.NelHwPosFiit2SV_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.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.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WitVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 2.50339508e-006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ \end{array}$	
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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 2.50339508e-006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 2 \\ 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTriq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_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	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 2.50339508e-006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ \end{array}$	
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.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.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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 2.50339508e-006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTriq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_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	0 0 0 0 2.50339508e-006 2.50339508e-006 0 0 0 0 0 0 0 2.50339508e-006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ 0 \pm 2 \\ 0 \\ 0 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 2.51000006e-006 \pm 1.25663627181805E-06 \\ 0 \pm 0.2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ 0 \pm 0.5 \\ 0 \pm 0.04 \\ 0 \pm 0.0625 \\ 0 \pm 2 \\ \end{array}$	· · · · · · · · · · · · · · · · · · ·

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

2.50339508e-006

2.50339508e-006

2.50339508e-006

0

0

VehDyn_PinTrqSV_M_str.K_Uls_f32

VehDyn_SLPHwPos_HwDeg_M_f32

VehDyn_SLPHwAuth_Uls_M_f32

VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$

2.51000006e-006 ± 1.25663627181805E-06

2.51000006e-006 ± 1.25663627181805E-06

2.51000006e-006 ± 1.25663627181805E-06

0

0





Test Step 2.2 (Repeat Count = 1)	Innut Webs	
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584798	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.100000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	700	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrHiSpdTimer1_mS_u16	60000	
k_AutoCntrHiSpdTimer2_mS_u16	60000	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	255	
k_AutoCntrHiSpdTimer4_mS_u16	60000	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.100000001	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrLoSpdTimer1_mS_u16	60000	
k_AutoCntrLoSpdTimer2_mS_u16	60000	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	1	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_Igc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	1	
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295	
Name	Actual Value Expected Value	Result
	700 700 ± 0.2	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		
VobDun AutoCntrDotCnd M atr VobCnd knh f22		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	255 20 255 \pm 0.5 20 \pm 0.04	-
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 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	255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2	
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6
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_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6
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_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6
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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_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6 6 6 6 6 6
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_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.NetNed_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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_thevDeg_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.RelHwPosFilt1SV_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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2 4294967295 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 0.00125586987 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2	6 6 6
VehDyn_AutoCntrDetSpd_M_str.FittPinTrq_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.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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WityPel_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	255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2 4294967295 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 0.00125586987 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2	6666
VehDyn_AutoCntrDetSpd_M_str.FittPinTrq_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.WitrVel_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.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.Witvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Witvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Witvel_MtrRadpS_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 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2 4294967295 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 4294967295 4294967295 4294967295 4294967295 0.00125586987 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2 60000 60000 ± 2 60000 60000 ± 2 4294967295 4294967295	6 6 6
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Aga_Sf32 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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2 4294967295 4294967295 4294967295 4294967298 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 4294967295 4294967295 4294967295 4294967295 0.00125586987 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 0.00125586987 0.00125584798 ± 1.25663627181805E-0 0.00 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 4294967295 4294967295 4294967295 4294967295	6 6 6
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.WtrVel_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNbm_g132 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_b_mS_u32 Ve	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6 6
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.WtrVel_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.Timer1Thresh_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.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.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFil	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6 6 6 6
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.WtrVel_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNbm_g132 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_b_mS_u32 Ve	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 6 6 6 6



Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Resul	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		

Test Step 2.3 (Repeat Count = 1)			
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Currer	ntTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.9999975e-006		
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 AutoCntrLoSpdTimer1PinTrg HwNm f32	16.4742603		
k AutoCntrLoSpdTimer1VehSpd kph f32	113.628799		
k_AutoCntrLoSpdTimer1_mS_u16	49475		
k_AutoCntrLoSpdTimer1_mS_u16 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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428	69.9332428 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307	47307 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	
VehDvn_AutoCntrDetSpd_M_str_RelHwPosFilt1SV_HwDeg_str_K_Uls_f32	0.000439703465	0.000439725991 + 1.25663627181805F-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str_RelHwPosFilt2SV_HwDeg_str_K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816481013 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0.000816464424 511.249969	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0.000816464424 511.249969 119.398392	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.000816464424 511.249969 119.398392 2.49991417	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0.000816464424 511.249969 119.398392 2.49991417 16.8675175	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625	
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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272	
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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272	0.000816481013 ± 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	
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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272	
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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272	0.000816481013 ± 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	
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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.2799998e-005 ± 1.25663627181805E-06 9.79999968e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.2799998e-005 ± 1.25663627181805E-06 9.79999968e-005 ± 1.25663627181805E-06 0 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799	$0.000816481013 \pm 1.25663627181805E-06$ 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 $6.2799998e-005 \pm 1.25663627181805E-06$ $9.79999968e-005 \pm 1.25663627181805E-06$ 0 ± 0.2 113.628799 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 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.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799 16.4742603	$\begin{array}{c} 0.000816481013\pm1.25663627181805E\text{-}06\\ 511.249969\pm0.2\\ 119.398392\pm0.5\\ 2.49991417\pm0.04\\ 16.8675175\pm0.0625\\ 19956\pm2\\ 1111\pm2\\ 1720406272\\ 1720406272\\ 6.2799998e\text{-}005\pm1.25663627181805E\text{-}06\\ 9.79999968e\text{-}005\pm1.25663627181805E\text{-}06\\ 0\pm0.2\\ 113.628799\pm0.5\\ 16.4742603\pm0.04\\ \end{array}$	
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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799 16.4742603 97.2305069	$\begin{array}{c} 0.000816481013\pm1.25663627181805\text{E}\text{-}06\\ 511.249969\pm0.2\\ 119.398392\pm0.5\\ 2.49991417\pm0.04\\ 16.8675175\pm0.0625\\ 19956\pm2\\ 1111\pm2\\ 1720406272\\ 1720406272\\ 6.2799998e-005\pm1.25663627181805\text{E}\text{-}06\\ 9.79999968e-005\pm1.25663627181805\text{E}\text{-}06\\ 0\pm0.2\\ 113.628799\pm0.5\\ 16.4742603\pm0.04\\ 97.2305069\pm0.0625 \end{array}$	
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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799 16.4742603 97.2305069 49475	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.2799998e-005 ± 1.25663627181805E-06 9.79999968e-005 ± 1.25663627181805E-06 0 ± 0.2 113.628799 ± 0.5 16.4742603 ± 0.04 97.2305069 ± 0.0625 49475 ± 2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799 16.4742603 97.2305069 49475 38708 1720406272	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.2799998e-005 ± 1.25663627181805E-06 9.79999968e-005 ± 1.25663627181805E-06 0 ± 0.2 113.628799 ± 0.5 16.4742603 ± 0.04 97.2305069 ± 0.0625 49475 ± 2 38708 ± 2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_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	0.000816464424 511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799 16.4742603 97.2305069 49475 38708	0.000816481013 ± 1.25663627181805E-06 511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272 6.2799998e-005 ± 1.25663627181805E-06 9.79999968e-005 ± 1.25663627181805E-06 0 ± 0.2 113.628799 ± 0.5 16.4742603 ± 0.04 97.2305069 ± 0.0625 49475 ± 2 38708 ± 2 1720406272	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.00120000006	0.00120000006	~
VehDyn SLPHwPos HwDeg M f32	1425.14795	1425.14795	✓

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

Test Step 2.4 (Repeat Count = 1) Name	Input Value		
	·		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTi	me	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2 4.99999987e-005		
VehDyn_PinTrqSV_M_str.K_Uls_f32	95.4768982		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0.00899999961		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdFilt2Kn_Hz_f32 k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	202.264374		
k AutoCntrHiSpdTimer1PinTrq HwNm f32	16.9387646		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	125.628113		
<_AutoCntrHiSpdTimer1_wS_u16	27095		
AutoCntrHiSpdTimer2 mS u16	2222		
AutoCntrHiSpdTimer4CntrWindow HwDeq f32	45.5802307		
C_AutoOntrHiSpdTimer4MtrVel_MtrRadpS_f32	107.436508		
AutoCntrHiSpdTimer4PinTrq_HwNm_f32	10.2259359		
:_AutoCntrHiSpdTimer4VehSpd_kph_f32	172.71106		
:_AutoCntrHiSpdTimer4_mS_u16	28327		
AutoCntrLoSpdCntrWindow HwDeg f32	94.2382813		
:_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0560000017		
:_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012		
AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	700		
AutoCntrLoSpdTimer1PinTrg HwNm f32	1.05551898		
AutoCntrLoSpdTimer1VehSpd_kph_f32	69.8743896		
:_AutoCntrLoSpdTimer1_mS_u16	43128		
autoCntrLoSpdTimer2_mS_u16	58869		
:_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
SLPEnableBFCheck Cnt lgc	1		
SLPHwAuthority_Uls_f32	0.00779999979		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
arget Pim MotPosReset.NVMStoredLastPos HwDeg f32	1401.11499		
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cn	t lac	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
gt_GetSystemTime_mS_u32_CurrentTime	2659241984		
Name	Actual Value	Expected Value	Res
		· ·	1
/ehDvn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	107.430508	107.436508 ± 0.2	
	107.436508 172 71106	107.436508 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	172.71106	172.71106 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	172.71106 10.2259359	172.71106 ± 0.5 10.2259359 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	172.71106 10.2259359 45.5802307	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	172.71106 10.2259359 45.5802307 27095	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	172.71106 10.2259359 45.5802307 27095 28327	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	172.71106 10.2259359 45.5802307 27095 28327 2659241984	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984	
/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	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984	
/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.Timer2_mS_u32	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984 0.000703468977 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.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 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.000432193279	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984 0.000703468977 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.000432193279 202.264374	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984 0.000703468977 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 202.264374 ± 0.2	
/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.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	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.000432193279 202.264374 125.628113	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984 0.000703468977 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 202.264374 ± 0.2 125.628113 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_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 /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	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.000432193279 202.264374 125.628113 16.9387646	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984 0.000703468977 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 202.264374 ± 0.2 125.628113 ± 0.5 16.9387646 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.000432193279 202.264374 125.628113 16.9387646 95.4768982	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984 0.000703468977 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 202.264374 ± 0.2 125.628113 ± 0.5	
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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_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_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_AutoCntrHoSpd_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.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.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	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.000432193279 202.264374 125.628113 16.9387646 95.4768982 27095 2222 2659241984 0.000113070011 0.000113070011 700	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 0.000703468977 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 202.264374 ± 0.2 125.628113 ± 0.5 16.9387646 ± 0.04 95.4768982 ± 0.0625 27095 ± 2 2222 ± 2 2659241984 0.000113091002 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 700 ± 0.2	
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VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.000432193279 202.264374 125.628113 16.9387646 95.4768982 27095 2222 2659241984 2659241984 0.000113070011 0.000113070011 700 69.8743896 1.05551898	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 0.000703468977 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 202.264374 ± 0.2 125.628113 ± 0.5 16.9387646 ± 0.04 95.4768982 ± 0.0625 27095 ± 2 2222 ± 2 2659241984 0.000113091002 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 700 ± 0.2 69.8743896 ± 0.5 1.05551898 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.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_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NetSpd_kph_f32	172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.000432193279 202.264374 125.628113 16.9387646 95.4768982 27095 2222 2659241984 0.000113070011 0.000113070011 700 69.8743896	172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 0.000703468977 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 202.264374 ± 0.2 125.628113 ± 0.5 16.9387646 ± 0.04 95.4768982 ± 0.0625 27095 ± 2 2222 ± 2 2659241984 0.000113091002 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 700 ± 0.2 69.8743896 ± 0.5	

Test Step 2.5 (Repeat Count = 1)

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Name	Actual Value	Expected Value	Result
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	0.000703468977 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Innut Value

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.0000014e-005		
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		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	556.066528		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	20		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	255		
k AutoCntrHiSpdTimer4 mS u16	4578		
k AutoCntrLoSpdCntrWindow HwDeg f32	100		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0670000017		
	0.0458000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	182.050003		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32			
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.878334		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	223.371994		
k_AutoCntrLoSpdTimer1_mS_u16	53759		
k_AutoCntrLoSpdTimer2_mS_u16	18715		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.0143999998		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1377.08203		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActi	ve_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2942063360		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	556.066528	556.066528 ± 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	35.0511017	35.0511017 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	55627	55627 ± 2	_
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	4578	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	0.000841591973 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	59.5372696	59.5372696 ± 0.2	Ĭ
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.923325	156.923325 ± 0.5	
VehDyn AutoCntrHiSpd M str.FiltPinTrq HwNm f32	4.59798193	4.59798193 ± 0.04	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	33.3349724	4.59798193 ± 0.04 33.3349724 ± 0.0625	
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	55627	55627 ± 2	
		111	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3333	3333 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2942063360	2942063360	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000376939774	0.000376920012 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	182.050003	182 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	223.371994	223.371994 ± 0.5	V

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Name	Actual Value	Expected Value	Result
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	0.000841591973 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.0143999998	0.0143999998	~
VehDyn_SLPHwPos_HwDeg_M_f32	1377.08203	1377.08203	~

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

Test Step 2.6 (Repeat Count = 1) Name	Input Value			
		Fina		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Current	i ii iie		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2			
/ehDyn_PinTrqSV_M_str.K_UIs_f32		0.00013		
<a autocntrhispdcntrwindow_hwdeg_f32<="" p="">	96.3896027			
<_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001			
<_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004			
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	498.457764			
C_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20			
x_AutoCntrHiSpdTimer1VehSpd_kph_f32	153.084564			
c_AutoCntrHiSpdTimer1_mS_u16	26438			
C_AutoCntrHiSpdTimer2_mS_u16	4444			
x_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	4.91284609			
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	300.483093			
:_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.609106064			
_AutoCntrHiSpdTimer4VehSpd_kph_f32	97.2060852			
:_AutoCntrHiSpdTimer4_mS_u16	14136			
_AutoCntrLoSpdCntrWindow_HwDeg_f32	84.7982025			
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00600000005			
_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989			
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	202			
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.8976202			
_AutoCntrLoSpdTimer1VehSpd_kph_f32	0			
<pre></pre>	13352			
<_AutoCntrLoSpdTimer2_mS_u16	14442			
AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001			
c_SLPEnableBFCheck_Cnt_lgc	1			
SLPHwAuthority Uls f32	0.0209999997			
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0			
arget Pim MotPosReset.NVMStoredLastPos HwDeg f32	1353.04895			
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_C	nt lac		
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	95		
arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1			
gt_GetSystemTime_mS_u32_CurrentTime	1117112832			
		Even este d Volus	Das	
Name	Actual Value	Expected Value	Res	
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	300.483093	300.483093 ± 0.2		
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	97.2060852	97.2060852 ± 0.5		
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0.609106064	0.609106064 ± 0.04		
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	4.91284609	4.91284609 ± 0.0625		
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26438	26438 ± 2		
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14136	14136 ± 2		
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832		
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1117112832	1117112832		
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06		
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06		
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498.457764	498.457764 ± 0.2		
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	153.084564	153.084564 ± 0.5		
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04		
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.3896027	96.3896027 ± 0.0625		
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26438	26438 ± 2		
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	4444	4444 ± 2		
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832		

1117112832

1117112832





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	202	202 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	15.8976202	15.8976202 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	84.7982025	84.7982025 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352	13352 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442	14442 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1117112832	1117112832	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.7 (Repeat Count = 1)			•
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Currer	ntTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000169999999		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	94.2766724		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00600000005		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	332.416168		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.68982124		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	198.46022		
k_AutoCntrHiSpdTimer1_mS_u16	46033		
k_AutoCntrHiSpdTimer2_mS_u16	5555		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	97.4420471		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	381.251129		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	93.5331573		
k_AutoCntrHiSpdTimer4_mS_u16	1778		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.3416519		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00779999979		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	211		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.8140659		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255		
k_AutoCntrLoSpdTimer1_mS_u16	21364		
k_AutoCntrLoSpdTimer2_mS_u16	52716		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.00600000005		
k SLPEnableBFCheck Cnt lgc	0		
k_SLPHwAuthority_Uls_f32	0.0275999997		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1329.01599		
target Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActive	Cnt lgc	
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
target VehDyn Init1 FaultBFActive Cnt Igc.value	0		
tgt GetSystemTime mS u32 CurrentTime	1736795392		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	381.251129	381.251129 ± 0.2	,
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	93.5331573	93.5331573 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.4420471	97.4420471 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	46033	46033 + 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	1778	1778 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1736795392	1736795392	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1736795392	1736795392	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	9.7990036e-005	9.79999968e-005 ± 1.25663627181805E-06	
VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt2SV HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	332.416168	332.416168 ± 0.2	
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	198.46022	198.46022 ± 0.5	
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	

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Name	Actual Value	Expected Value	Result
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	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	9.79999968e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.0275999997	0.0275999997	~
VehDyn_SLPHwPos_HwDeg_M_f32	1329.01599	1329.01599	~

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

Test Step 2.8 (Repeat Count = 1)			✓
Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Currer	ntTime	
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00020999998		
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_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_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.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1304.98303		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	3437401088		
Name	Actual Value	Expected Value	Result
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	✓
	3437401088	3437401088	

3437401088

0.000113070011

0.000314116478

3437401088

0.000113091002 ± 1.25663627181805E-06

0.000314109988 ± 1.25663627181805E-06

VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32$

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$

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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	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	9.79999968e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	543	543 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	199.050003	199 ± 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	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.7990036e-005	9.79999968e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.9 (Repeat Count = 1) Name	Input Value		
	· ·	DumantTine o	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000250000012		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	8.86355877		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	123.465202		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	10.8994331		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	82.6047821		
k_AutoCntrHiSpdTimer1_mS_u16	14014		
k_AutoCntrHiSpdTimer2_mS_u16	7777		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	27.8338795		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	39.6259003		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.01894903		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	184.136215		
k_AutoCntrHiSpdTimer4_mS_u16	22354		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.932251		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.029999993		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	9		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	0		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	65.6970062		
k_AutoCntrLoSpdTimer1_mS_u16	21335		
k_AutoCntrLoSpdTimer2_mS_u16	34188		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.0408000015		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1280.94995		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFA	ctive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	3494315776		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	39.6259003	39.6259003 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	184.136215	184.136215 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrg 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	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000376939774	0.000376920012 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	123.465202	123.465202 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	82.6047821	82.6047821 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.8994331	10.8994331 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	8.86355877	8.86355877 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	14014	14014 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7777	7777 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	9	9 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	65.6970062	65.6970062 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.932251	99.932251 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335	21335 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188	34188 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3494315776	3494315776	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000376939774	0.000376920012 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.0408000015	0.0408000015	~
VehDyn_SLPHwPos_HwDeg_M_f32	1280.94995	1280.94995	~

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

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_	CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000289999996		
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		
k_AutoCntrHiSpdTimer1_mS_u16	48224		
k_AutoCntrHiSpdTimer2_mS_u16	8888		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.4006882		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	585.574707		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.31293392		
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.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1256.91699		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFA	Active_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
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	65.4458923 ± 0.5	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.31293392	4.31293392 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.4006882	47.4006882 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	48224	48224 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	32015	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	0.000575373997 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	162.400772	162.400772 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	114.852692	114.852692 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.9627428	14.9627428 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	26.9095516	26.9095516 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	48224	48224 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	8888	8888 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	463842816	463842816	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	463842816	463842816	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	533	533 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	23.0135193	23.0135193 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	26.1026459	26.1026459 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258	12258 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416	36416 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	463842816	463842816	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	463842816	463842816	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.00033000001
<_AutoCntrHiSpdCntrWindow_HwDeg_f32	49.6496849
C_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0458000004
C_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009
_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	546.656738
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.7334461
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	136.718338
<pre>c_AutoCntrHiSpdTimer1_mS_u16</pre>	4828
_AutoCntrHiSpdTimer2_mS_u16	9999
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	33.7199783
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	689.916992
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.30665016
_AutoCntrHiSpdTimer4VehSpd_kph_f32	223.376236
_AutoCntrHiSpdTimer4_mS_u16	49523
_AutoCntrLoSpdCntrWindow_HwDeg_f32	17.6228924
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	570
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.05000019
_AutoCntrLoSpdTimer1VehSpd_kph_f32	7.9233551
_AutoCntrLoSpdTimer1_mS_u16	34738
:_AutoCntrLoSpdTimer2_mS_u16	36612
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0458000004
_SLPEnableBFCheck_Cnt_lgc	0
_SLPHwAuthority_Uls_f32	0.0540000014
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1232.88403
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_Igc
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
arget VehDyn Init1 FaultBFActive Cnt Igc.value	0





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	1759885568		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	689.916992	689.916992 ± 0.2	•
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	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	33.7199783	33.7199783 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	4828	4828 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	49523	49523 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1759885568	1759885568	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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.FiltPinTrq_HwNm_f32	11.7334461	11.7334461 ± 0.04	١ .
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	49.6496849	49.6496849 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	4828	4828 ± 2	١ .
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	9999	9999 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	١ ،
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1759885568	1759885568	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	570	570 ± 0.2	•
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	7.9233551	7.9233551 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.05000019	7.05000019 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	17.6228924	17.6228924 ± 0.0625	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738	34738 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612	36612 ± 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	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.0540000014	0.0540000014	•
VehDyn SLPHwPos HwDeg M f32	1232.88403	1232.88403	

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

Test Step 2.12 (Repeat Count = 1) Name	Input Value
	· ·
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000369999994
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	97.9824524
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	650.888245
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.2269373
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	83.2932739
k_AutoCntrHiSpdTimer1_mS_u16	13561
k_AutoCntrHiSpdTimer2_mS_u16	11110
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	84.8904648
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	13.5116568
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	14.3859873
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	200.00708
k_AutoCntrHiSpdTimer4_mS_u16	3778
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00520000001
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	497
k_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	0.00499999989
k SLPEnableBFCheck Cnt lgc	1
k SLPHwAuthority Uls f32	0.0606000014
target Pim MotPosReset.NVMStoredLastPosValid Cnt lgc	0





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1208.85095		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	13.5116568	13.5116568 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	200.00708	200.00708 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3859873	14.3859873 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	84.8904648	84.8904648 ± 0.0625	•
VehDyn_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	1662097408	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1662097408	1662097408	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	650.888245	650.888245 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	83.2932739	83.2932739 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.2269373	14.2269373 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.9824524	97.9824524 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13561	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	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	

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

Test Step 2.13 (Repeat Count = 1)	u de la companya de
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410000008
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	76.7621613
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	203.632965
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.2671566
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	127.052841
k_AutoCntrHiSpdTimer1_mS_u16	2974
k_AutoCntrHiSpdTimer2_mS_u16	12221
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	71.4314346
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	460.300537
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	5.9040184
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	118.848923
k_AutoCntrHiSpdTimer4_mS_u16	41925
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	100
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0320999995
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	31
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.3913727
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	202.272995
k_AutoCntrLoSpdTimer1_mS_u16	8366
k_AutoCntrLoSpdTimer2_mS_u16	51002





Name	Input Value		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.0671999976		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1184.81799		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFAct	ive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	460.300537	460.300537 ± 0.2	~
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	118.848923	118.848923 ± 0.5	~
VehDyn AutoCntrDetSpd M str.FiltPinTrq HwNm f32	5.9040184	5.9040184 ± 0.04	~
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	71.4314346	71.4314346 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2974	2974 ± 2	~
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	41925	41925 ± 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	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	~
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	203.632965	203.632965 ± 0.2	~
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	127.052841	127.052841 ± 0.5	•
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	11.2671566	11.2671566 ± 0.04	~
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	76.7621613	76.7621613 ± 0.0625	✓
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	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-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	0.000314109988 ± 1.25663627181805E-06	_
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	-
VehDyn SLPHwAuth Uls M f32	0.0671999976	0.0671999976	✓
VehDyn SLPHwPos HwDeg M f32	1184.81799	1184.81799	_

Test Step Call Trace				
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	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000449999992	
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	

2014-09-19, 20:06:17+0530

Input Value



Name



KANDOCHICSSOTIMENT_NEWSPORTS 150 3888	k AutoCntrLoSpdTimer1PinTrq HwNm f32	8.74961567		
K_AutoChritAsSpdTimert_mS_u16				
K_AMICCINITIONE PECCHRIN, PLC 752 0.0250000004		3658		
K_SLPEnableBChoke, Crit. Igo K_SLPEnableBChoke, Crit. Igo K_SLPEnableBChoke, Crit. Igo Larget, Pim, MoPosReset N/MSlored, astPosylatid, Crit. Igo Larget, Pim, MoPosReset N/MSlored, Crit. Igo Larget, Pim, MoPosReset N/MSlore		5853		
K_SLPHwAuthority_Us_732		0.0250000004		
S.S.IP.Phw.uthority_Us_32				
Ingreg L. Pim_MorPosReset NVMStoredLastPos_HwDeg_ri22 1160.78503				
target_Rie_Inst_Ap_VehDyn_2 Pim_MotiPosReset target_Rie_Inst_Ap_VehDyn_2 Pim_MotiPosReset target_Pim_MotiPosReset target_Pim_				
target_Nein_An_ANein_Drin_2 Pim_MotiPosReset target_VehDyn_Init_FaultBFActive_Cnt_lgc.value t_(CelsiystenTime_ms_0u3c_CurrentTime) 4243378688 Name Actual Value Bexpected Value Result VehDyn_AutoCntTiclspd_M_str.MitVel_MitRadpS_f32 688 902588 688 902588 ± 0.2 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 32 1202698 32 1202698 ± 0.5 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 32 1202698 32 1202698 ± 0.5 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 32 1202698 ± 0.5 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 38 9.387299 ± 0.0625 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 89 .387299 ± 0.0625 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 89 .387299 ± 0.0625 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_ms_u16 14150 ± 14150 ± 2 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_ms_u16 40985 40985 ± 2 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_u32 4243378688 4243378688 4243378688 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_u32 4243378688 4243378688 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_u32 4243378688 4243378688 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_str.K_Uis_f32 0.000713206710 0.00050222872 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_str.K_Uis_f32 0.00050222876 0.000502228972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCnttrilspd_M_str.WitVelpd_str.K_Uis_f32 0.00050228972 ± 0.00050228972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCnttrilspd_M_str.WitVelpd_str.K_Uis_f32 0.0004328908 0.00050228972 ± 0.00050228972 ± 0.00050228972 ± 0.00050228972 ± 0.00050228972 ± 0.00050228972 ± 0.0005028996 ± 1.25663627181805E-06 ✓ VehDyn_AutoCnttrilspd_M_str.Timer_Ins_uis_0 0.00050228972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ±	target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1160.78503		
target_Nein_An_ANein_Drin_2 Pim_MotiPosReset target_VehDyn_Init_FaultBFActive_Cnt_lgc.value t_(CelsiystenTime_ms_0u3c_CurrentTime) 4243378688 Name Actual Value Bexpected Value Result VehDyn_AutoCntTiclspd_M_str.MitVel_MitRadpS_f32 688 902588 688 902588 ± 0.2 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 32 1202698 32 1202698 ± 0.5 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 32 1202698 32 1202698 ± 0.5 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 32 1202698 ± 0.5 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 38 9.387299 ± 0.0625 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 89 .387299 ± 0.0625 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_kpt_f32 89 .387299 ± 0.0625 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_ms_u16 14150 ± 14150 ± 2 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_ms_u16 40985 40985 ± 2 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_u32 4243378688 4243378688 4243378688 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_u32 4243378688 4243378688 ✓ VehDyn_AutoCntTiclspd_M_str.Timer_Insb_u32 4243378688 4243378688 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_str.K_Uis_f32 0.000713206710 0.00050222872 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntTiclspd_M_str.WitVelpd_str.K_Uis_f32 0.00050222876 0.000502228972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCnttrilspd_M_str.WitVelpd_str.K_Uis_f32 0.00050228972 ± 0.00050228972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCnttrilspd_M_str.WitVelpd_str.K_Uis_f32 0.0004328908 0.00050228972 ± 0.00050228972 ± 0.00050228972 ± 0.00050228972 ± 0.00050228972 ± 0.00050228972 ± 0.0005028996 ± 1.25663627181805E-06 ✓ VehDyn_AutoCnttrilspd_M_str.Timer_Ins_uis_0 0.00050228972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ± 0.0005028972 ±	target Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActive	Cnt lgc	
Section Sect		target Pim MotPosReset		
Name	target VehDyn Init1 FaultBFActive Cnt Igc.value	1		
Name Actual Value Expected Value Result VehDyn_AutoCnirDetSpd_M_str.MirVel_MtrRadpS_f32 668.902588 668.902588 ± 0.2 ✓ VehDyn_AutoCnirDetSpd_M_str.VenSpd_kph_f32 32.1020698 32.1020699 32.1020699 32.1020699 32.1020698 40.9951 40.9951 40.9951 40.9951 40.9995 40.9951 40.9951 40.20376888 42.43376888 42.43376888 42.43376888 42.43376888 42.43376888 42.43376888 42.43376888 42.43376888 42.43376888 42.43376888 42.43376888 42.4450376888 42.4450376888 42.4450376888 42.4450376888 42.4450376888 42.4450376888 42.4450376888 42.445		4243378688		
VehDyn_AutoCntrDetSpd_M_str. MtrVel_MtrRadpS_f32 668.902588 668.902588 ± 0.2 VehDyn_AutoCntrDetSpd_M_str. VehSpd_kpn_f32 32.1020888 32.102088 ± 0.5 VehDyn_AutoCntrDetSpd_M_str. TilmerTThresh_mS_122 20 20 ± 1.04 VehDyn_AutoCntrDetSpd_M_str. CntrWindow_HwDeg_f32 89.3387299 89.3387299 ± 0.0625 VehDyn_AutoCntrDetSpd_M_str. TilmerTThresh_mS_u16 14150 14150 ± 2 VehDyn_AutoCntrDetSpd_M_str. Tilmer2Thresh_mS_u16 40995 40985 ± 2 VehDyn_AutoCntrDetSpd_M_str. Tilmer2Thresh_mS_u16 40995 40985 ± 2 VehDyn_AutoCntrDetSpd_M_str. Tilmer2_mS_u32 4243378688 4243378688 VehDyn_AutoCntrDetSpd_M_str. Tilmer2_mS_u32 4243378688 4243378688 VehDyn_AutoCntrDetSpd_M_str. RelHwPosFiltSV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791389017 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str. RelHwPosFiltSV_HwDeg_str.K_Uls_f32 0.000502528972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str. RelHwPosFiltSV_HwDeg_str.K_Uls_f32 15.71925 15.771925 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str. Tilmer1_mL_su_f6 14150 14150 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str. Tilmer1_ms_uls_1 143332		Actual Value	Expected Value	Result
VehDyn_AutoCntrDelSpd_M_str.VehSpd_kph_f32 32.1202698 32.1202698 ± 0.5 ✓ VehDyn_AutoCntrDelSpd_M_str.FillPhiTrq_HwNm_f32 20 0 20 ± 0.04 ✓ VehDyn_AutoCntrDelSpd_M_str.CntrWindow_HwDeg_f32 89.3387299 89.3387299 ± 0.0625 ✓ VehDyn_AutoCntrDelSpd_M_str.Timer1Thresh_mS_u16 40995 40995 ± 2 ✓ VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 4243378688 4243378688 4243378688 ✓ VehDyn_AutoCntrDelSpd_M_str.Timer2_mS_u32 4243378688 4243378688 4243378688 ✓ VehDyn_AutoCntrDelSpd_M_str.RelHwPosFilitSV_HwDeg_str.K_Uls_f32 0.0007913707699 0.00079138017 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilitSV_HwDeg_str.K_Uls_f32 152.768814 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilitSV_HwDeg_str.K_Uls_f32 15.771925 ± 0.04 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_uns_f16 15.771925 ± 0.04 15.771925 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_uns_f16 14150 14150 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_ms_uns_f16 14150 14150 ± 2 ✓			-	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 20 20 ± 0.04 ✔ VehDyn_AutoCntrDetSpd_M_str.Timer1Tresh_mS_u16 14150 14150 ± 2 ✔ VehDyn_AutoCntrDetSpd_M_str.Timer1Tresh_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.Timer1_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.K_UIs_132 0.000791378699 0.000791386917 ± 125663827181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.Wel_MtrRadpS_f122 152.768814 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.Wel_MtrRadpS_f122 152.768814 152.7768814 ± 0.5 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mix_m_f12 15.771925 15.771925 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mix_m_f32 45.771925 15.771925 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_Timesh_mS_u16 1332 13322 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4243378688 4243378688				~
VehDyn_AutoCntrDetSpd_M_str. CntrWindow_HwDeg_f32 89.3387299 89.3387299 ± 0.0625 ✓ VehDyn_AutoCntrDetSpd_M_str. Timer1Thresh_mS_u16 14150 14150 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str. Timer1Thresh_mS_u16 40995 40995 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str. Timer2_mS_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrDetSpd_M_str. RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.0007913707869 0.00079138017 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str. RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.000791370869 0.00079138017 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 152.768814 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.FittPinTrq_HwMm_f32 15.771925 15.771925 ± 10.04 ✓ VehDyn_AutoCntrHiSpd_M_str.FittPinTrq_HwMm_f32 15.771925 15.771925 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 14150 14150 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4243378688 42433776888				-
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 44150 414150 ± 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.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.NehSpd_kph_f32 152.768814 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 73.3210144 73.3210144 ± 0.5 ✓ VehDyn_AutoCntrHiSpd_M_str.Fittp=1Trq_HwMm_f32 15.771925 15.771925 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_mS_u16 14150 14150 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.Timer4_ms_u32		-		~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00050252876 0.000502528972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.WrVel_MtrRadpS_f32 152.768814 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.Wrtvel_MtrRadpS_f32 152.768814 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.Wrtvel_MtrRadpS_f32 152.778814 73.3210144 ± 0.5 ✓ VehDyn_AutoCntrHiSpd_M_str.Fillentra_HwNm_f32 15.771925 15.771925 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 14150 14150 14150 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 13332 13332 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.K_Uls_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-	, _ ,			~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrDetSpd_M_str.ReliHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000791370869 0.00079138017 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str.ReliHwPosFitItSV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.ReliHwPosFitItSV_HwDeg_str.K_UIs_f32 152.768814 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.ReliHwPosFitItSV_HwDeg_str.K_UIs_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.Timer1_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000314116478 0.000031410998 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000403285027 0.				✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000791370869 0.00050252872 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.00050252876 0.00050252872 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 152.768814 152.768814 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_f32 15.771925 15.771925 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_f32 65.7764893 65.7764893 ± 0.0625 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u516 14150 14150 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000314116478 0.00031410988 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLicSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000403285027 0.000403298996 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RitPinTa_HwMm_f32 8.74961567 8.7	, = , = = = = =			~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltISV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 152.768814 152.768814 ± 0.2 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 73.3210144 73.3210144 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.FillPinTrq_HwNm_f32 15.771925 15.771925 ± 0.04 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 14150 14150 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 13332 13332 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.K_Uls_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.K_Uls_f32 0.000403285027 0.00040328996 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MitVel_MtrRadpS_f32 290 290 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 76.098053 76.098053 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.Timer		4243378688	4243378688	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_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.Timer1Thresh_mS_u16 14150 14150 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 13332 13332 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 290 290 ± 0.2 ✓ VehDyn_AutoCntrLoSpd_M_str.MivVe_MirradpS_f32 76.098053 76.098053 ± 0.5 ✓ VehDyn_AutoCntrLoSpd_M_str.FiliPinTrq_HwNm_f32 8.74961567 8.74961567 ± 0.04 ✓ VehDyn_AutoCntrLoSpd_M_str	, =	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_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.CnttWindow_HwDeg_f32 65.7764893 65.7764893 ± 0.0625 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 14150 14150 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 13332 13332 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.ReliHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.ReliHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000403285027 0.000403298996 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.ReliHwPosFilt2SV_HwDeg_str.K_UIs_f32 76.098053 76.098053 ± 0.5 ✓ VehDyn_AutoCntrLoSpd_M_str.ReliHwPosFilt3 8.74961567 8.74961567 ± 0.04 ✓ VehDyn_AutoCnt				-
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.Timer1Thresh_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_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000403285027 0.000403298996 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 290 290 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.Timer1Mm_f32 8.74961567 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.Timer1Mm_f32 67.0500031 67 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 5853 5853 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u32 4243378688 4243378688 VehDyn_AutoCntrLo	, - ,	152.768814	152.768814 ± 0.2	~
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. Timer1Thresh_mS_u16 13332 13332 ± 2 VehDyn_AutoCntrHiSpd_M_str. Timer1_mS_u32 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str. Timer1_mS_u32 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str. ReiHwPosFilt1SV_HwDeg_str. K_UIs_f32 0.000314116478 0.0003141109988 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str. ReiHwPosFilt2SV_HwDeg_str. K_UIs_f32 0.000403285027 0.000403289996 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str. ReiHwPosFilt2SV_HwDeg_str. K_UIs_f32 290 290 ± 0.2 VehDyn_AutoCntrLoSpd_M_str. MitrVel_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 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str. Timer1Thresh_mS_u16 3658 3658 ± 2 VehDyn_AutoCntrLoSpd_M_str. Timer1Thresh_mS_u16 3658 3658 ± 2		73.3210144	73.3210144 ± 0.5	✓
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 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4243378688 4243378688 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltIsV_HwDeg_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000403285027 0.000403298996 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 290 290 ± 0.2 ✓ VehDyn_AutoCntrLoSpd_M_str.VelhSpd_kph_f32 76.098053 76.098053 ± 0.5 ✓ VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 8.74961567 8.74961567 ± 0.04 ✓ VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 0.0625 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 5853 5853 ± 2 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4243378688 4243378688 ✓ <t< td=""><td></td><td>15.771925</td><td>15.771925 ± 0.04</td><td>~</td></t<>		15.771925	15.771925 ± 0.04	~
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 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.0003141109988 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000403285027 0.000403298996 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000403285027 0.000403298996 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000403285027 0.000403298996 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 76.098053 76.098053 ± 0.5 ✓ VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 0.0625 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 3658 3658 ± 2 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000791370869 <	VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	65.7764893	65.7764893 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4243378688 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 0.000314116478 0.0003141109988 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 0.000403285027 0.000403298996 ± 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 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 3658 3658 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4243378688 4243378688 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4243378688 4243378688 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4243378688 4243378688 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.256	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	14150	14150 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4243378688 4243378688 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000314116478 0.0003141109988 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000403285027 0.000403298996 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 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_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06	VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13332	13332 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000314116478 0.0003141109988 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000403285027 0.000403298996 ± 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 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 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 0.000791368017 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000314116478 0.0003141109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0 0	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000403285027 0.000403298996 ± 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 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 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 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0 0 0	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4243378688	4243378688	~
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 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 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_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0 0 VehDyn_SLPHwAuth_UIs_M_f32	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 76.098053 76.098053 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FilltPinTrq_HwNm_f32 8.74961567 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 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_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0 0	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.FillFinTrq_HwNm_f32 8.74961567 8.74961567 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 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_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0 0	VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	290	290 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 67.0500031 67 ± 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_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0 0	VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.098053	76.098053 ± 0.5	~
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_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0 0	VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.74961567	8.74961567 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 5853 5853 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 5853 5853 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4243378688 4243378688 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0 0	VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	67.0500031	67 ± 0.0625	~
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_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 ✓ VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 ✓ VehDyn_SLPHwAuth_UIs_M_f32 0 0 ✓	VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658	3658 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4243378688 4243378688 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0 0	VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853	5853 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 ✓ VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 ✓ VehDyn_SLPHwAuth_Uls_M_f32 0 0 ✓	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.00050252676 0.000502528972 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0 0	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4243378688	4243378688	•
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000314116478 0.000314109988 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32 0	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00050252676	0.000502528972 ± 1.25663627181805E-06	•
18.18.J.(_02.17.11.11.14.12.02.17.12.02	VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_SLPHwPos_HwDeg_M_f32 0	VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
	VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.15 (Repeat Count = 1)	v.
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000490000006
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





Name	Input Value		
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.NVMStoredLastPosValid Cnt Igc	1		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1136.75195		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target VehDyn Init1 FaultBFActi	ve Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	1050692864		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	84.1278992	84.1278992 ± 0.2	rtesui
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	50.9156036	50.9156036 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.85283899	3.85283899 ± 0.04	
	20.9637165	20.9637165 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32			
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	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 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	١,
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	0.000791368017 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757099 ± 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	2.51000001e-005 ± 1.25663627181805E-06	S
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0.0803999975	0.0803999975	
VehDyn_SLPHwPos_HwDeg_M_f32	1136.75195	1136.75195	٠,

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

Name	Input Value	
	·	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000530000019	
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	

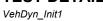




Name	Input Value		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	269.545135		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.7515726		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	62.7014771		
k_AutoCntrHiSpdTimer4_mS_u16	28023		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	11.1490717		
k AutoCntrLoSpdFilt1Kn Hz f32	0.00499999989		
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_UIs_f32	0.0869999975		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1112.71899		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActiv	e_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
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	- Court
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	6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	338.634766	338.634766 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.1331787	18.1331787 ± 0.5	~
	8.68194199	8.68194199 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	41.6642952	41.6642952 ± 0.0625	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42430	41.0042932 ± 0.0023 42430 ± 2	
	15554	15554 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3039943680	3039943680	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3039943680	3039943680	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	123 001526	554 ± 0.2	~
VehDyn_AutoCntrl_oSpd_M_str.VehSpd_kph_f32	123.001526	123.001526 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeq_f32	11 1400717	20 ± 0.04	~
, = , = = = = 6=	11.1490717	11.1490717 ± 0.0625	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	~
VehDyn_AutoCntrl oSpd_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	6.2799998e-005 ± 1.25663627181805E-06	V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	V
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0	0	V
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				-
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000569999975	
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	





Name	Input Value		
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	18774		
k_AutoCntrLoSpdTimer2_mS_u16	16088		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.0935999975		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1088.68604		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_lge	c	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
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	1.04481328 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.4165878	47.4165878 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	35564	35564 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46550	46550 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	339.617279	339.617279 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	83.5956268	83.5956268 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.0185966	13.0185966 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	34.2725372	34.2725372 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	35564	35564 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	16665	16665 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1.257658e-005	1.26000004e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	261.848846	261.848846 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	65.1780853	65.1780853 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7432442	16.7432442 ± 0.04	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	11.0835915	11.0835915 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	18774	18774 ± 2	· ·
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	16088	16088 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.0935999975	0.0935999975	~
VehDyn_SLPHwPos_HwDeg_M_f32	1088.68604	1088.68604	

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

Test Step 2.18 (Repeat Count = 1)		✓
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000609999988	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	44.8276367	





Name	Input Value		
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		
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.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1064.65295		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActiv	ve_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	630.946533	630.946533 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	3.99484253	3.99484253 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.3842678	18.3842678 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.5710239	12.5710239 ± 0.0625	•

tgt_GetGystein fille_inG_u32_Guirent fille	2073000192		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	630.946533	630.946533 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	3.99484253	3.99484253 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.3842678	18.3842678 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.5710239	12.5710239 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53799	53799 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	50044	50044 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2075080192	2075080192	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2075080192	2075080192	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	S •
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-0	6
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	18.4182396 ± 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	6.53000025e-005 ± 1.25663627181805E-0	6
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-0	6
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	0.000403298996 ± 1.25663627181805E-06	S •
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-0	6
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-0	6
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

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





Test Step 2.19 (Repeat Count = 1)	Input Value		
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTin	me	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000650000002		
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	1.14587283		
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		
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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1040.62		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt	_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	118.757027	118.757027 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	83.8543854	83.8543854 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.14587283	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	0.00106757099 ± 1.25663627181805E-06	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	9.7990036e-005	9.79999968e-005 ± 1.25663627181805E-06	
, - ,			•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	11.8271809	11.8271809 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	11.8271809 157.885941	11.8271809 ± 0.2 157.885941 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.8271809 157.885941 3.42799282	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	11.8271809 157.885941 3.42799282 66.9603653	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	11.8271809 157.885941 3.42799282 66.9603653 47432	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 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	11.8271809 157.885941 3.42799282 66.9603653 47432 18887	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	11.8271809 157.885941 3.42799282 66.9603653 47432 18887 954802432	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2 954802432	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	11.8271809 157.885941 3.42799282 66.9603653 47432 18887	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 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.Timer2_mS_u32	11.8271809 157.885941 3.42799282 66.9603653 47432 18887 954802432 954802432 0.000791370869	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2 954802432 954802432 0.000791368017 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	11.8271809 157.885941 3.42799282 66.9603653 47432 18887 954802432 954802432 0.000791370869 0.000565350056	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2 954802432 954802432 0.000791368017 ± 1.25663627181805E-06 0.000565327005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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	11.8271809 157.885941 3.42799282 66.9603653 47432 18887 954802432 954802432 0.000791370869 0.000565350056 610.883545	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2 954802432 954802432 0.000791368017 ± 1.25663627181805E-06 0.00565327005 ± 1.25663627181805E-06 610.883545 ± 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.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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	11.8271809 157.885941 3.42799282 66.9603653 47432 18887 954802432 954802432 0.000791370869 0.000565350056 610.883545 11.503067	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2 954802432 954802432 0.000791368017 ± 1.25663627181805E-06 0.00565327005 ± 1.25663627181805E-06 610.883545 ± 0.2 11.503067 ± 0.5	
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VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	11.8271809 157.885941 3.42799282 66.9603653 47432 18887 954802432 954802432 0.000791370869 0.000565350056 610.883545 11.503067 8.43369675 40.2867165 11226 60000 954802432 954802432	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2 954802432 954802432 0.000791368017 ± 1.25663627181805E-06 0.000565327005 ± 1.25663627181805E-06 610.883545 ± 0.2 11.503067 ± 0.5 8.43369675 ± 0.04 40.2867165 ± 0.0625 11226 ± 2 60000 ± 2 954802432 954802432	
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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	11.8271809 157.885941 3.42799282 66.9603653 47432 18887 954802432 954802432 0.000791370869 0.000565350056 610.883545 11.503067 8.43369675 40.2867165 11226 60000 954802432 954802432 954802432 0.00106757879	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2 954802432 954802432 0.000791368017 ± 1.25663627181805E-06 0.00565327005 ± 1.25663627181805E-06 610.883545 ± 0.2 11.503067 ± 0.5 8.43369675 ± 0.04 40.2867165 ± 0.0625 11226 ± 2 60000 ± 2 954802432 954802432 0.00106757099 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.NetVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_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.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.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	11.8271809 157.885941 3.42799282 66.9603653 47432 18887 954802432 954802432 0.000791370869 0.000565350056 610.883545 11.503067 8.43369675 40.2867165 11226 60000 954802432 954802432 0.00106757879 9.7990036e-005	11.8271809 ± 0.2 157.885941 ± 0.5 3.42799282 ± 0.04 66.9603653 ± 0.0625 47432 ± 2 18887 ± 2 954802432 954802432 0.000791368017 ± 1.25663627181805E-06 0.00565327005 ± 1.25663627181805E-06 610.883545 ± 0.2 11.503067 ± 0.5 8.43369675 ± 0.04 40.2867165 ± 0.0625 11226 ± 2 60000 ± 2 954802432 9.00106757099 ± 1.25663627181805E-06 9.79999968e-005 ± 1.25663627181805E-06	



Test Step Call Trace				•
Actual Function	Count	Expected Function	Count	Resul
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	

Test Step 2.20 (Repeat Count = 1) Name	Input Value		
GetSystemTime mS u32(CurrentTime)	·		
Rte Inst Ap VehDyn	tgt_GetSystemTime_mS_u32_Curre target_Rte_Inst_Ap_VehDyn_2	aittiine	
VehDyn PinTrqSV M str.K Uls f32	0.000690000015		
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 AutoCntrHiSpdTimer4PinTrg HwNm f32	10.2086525		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	182.197632		
k_AutoCntrHiSpdTimer4_mS_u16	27106		
k AutoCntrLoSpdCntrWindow HwDeg f32	56.4612427		
k AutoCntrLoSpdGilt1Kn Hz f32	0.00899999961		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00899999961		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	39.4220428		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	3		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	123.501587		
k AutoCntrLoSpdTimer1 mS u16	29729		
k AutoCntrLoSpdTimer2 mS u16	33804		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009		
k SLPEnableBFCheck Cnt lgc	1		
k SLPHwAuthority Uls f32	0.113399997		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1016.58698		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive	Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	_ont_ige	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	578.624756	578.624756 ± 0.2	IXCOU
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	182.197632	182.197632 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_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	
	27106	27106 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	
	2728878080	2728878080	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06 192.424347 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	192.424347		
VehDyn_AutoCotrHiSpd_M_str.VehSpd_kph_f32	193.415466	193.415466 ± 0.5	
VehDyn_AutoCotrl-liSpd_M_str.FiltPinTrq_HwNm_f32	1.4601928	1.4601928 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.3555756	85.3555756 ± 0.0625 37774 ± 2	
VohDun AutoCatrHiCad M of TimerdTheach and 1140	27774	1.3///4 ± /	1
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37774		
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	19998	19998 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	19998 2728878080	19998 ± 2 2728878080	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	19998 2728878080 2728878080	19998 ± 2 2728878080 2728878080	
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	19998 2728878080 2728878080 2.51531601e-005	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 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_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	19998 2728878080 2728878080 2.51531601e-005 0.000113070011	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 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_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.MtrVel_MtrRadpS_f32	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2	
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_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428 123.501587	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2 123.501587 ± 0.5	
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_AutoCntrHoSpd_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	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428 123.501587	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2 123.501587 ± 0.5 3 ± 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	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428 123.501587 3 56.4612427	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2 123.501587 ± 0.5 3 ± 0.04 56.4612427 ± 0.0625	
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_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428 123.501587 3 56.4612427 29729	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2 123.501587 ± 0.5 3 ± 0.04 56.4612427 ± 0.0625 29729 ± 2	
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	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428 123.501587 3 56.4612427 29729 33804	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2 123.501587 ± 0.5 3 ± 0.04 56.4612427 ± 0.0625 29729 ± 2 33804 ± 2	
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_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	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428 123.501587 3 56.4612427 29729 33804 2728878080	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2 123.501587 ± 0.5 3 ± 0.04 56.4612427 ± 0.0625 29729 ± 2 33804 ± 2 2728878080	
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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428 123.501587 3 56.4612427 29729 33804 2728878080 2728878080	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2 123.501587 ± 0.5 3 ± 0.04 56.4612427 ± 0.0625 29729 ± 2 33804 ± 2 2728878080 2728878080	
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	19998 2728878080 2728878080 2.51531601e-005 0.000113070011 39.4220428 123.501587 3 56.4612427 29729 33804 2728878080	19998 ± 2 2728878080 2728878080 2.51000001e-005 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 39.4220428 ± 0.2 123.501587 ± 0.5 3 ± 0.04 56.4612427 ± 0.0625 29729 ± 2 33804 ± 2 2728878080	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-0	6
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn SLPHwPos HwDeg M f32	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
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_Cur	rentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000730000029		
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		
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	0.000199999995		
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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	992.554016		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActiv	re_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	824746752		
Name	Actual Value	Expected Value	Resul
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	
		15330 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	15330 824746752		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		824746752	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	824746752	824746752	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000291526318	0.00029149701 ± 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	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	665.639221	665.639221 ± 0.2	
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	52.7404022	52.7404022 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.52301908	3.52301908 ± 0.04	
			L.
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 © Report created by TESSY V3.1.7. report template V2.1	31.4061165 58388 25970	31.4061165 ± 0.0625 58388 ± 2 25970 ± 2	

Test Step 2.22 (Repeat Count = 1)





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000291526318	0.00029149701 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.119999997	0.119999997	~
VehDyn SLPHwPos HwDeg M f32	992.554016	992.554016	~

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

rest Step 2.22 (Repeat Sount - 1)			Ť
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Ci	urrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000769999984		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	3.12775111		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	602.94635		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	10.0753288		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	221.670746		
k_AutoCntrHiSpdTimer1_mS_u16	58454		
k AutoCntrHiSpdTimer2 mS u16	22220		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	68.7160416		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	155.820129		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.29925823		
k AutoCntrHiSpdTimer4VehSpd kph f32	81.0852356		
k_AutoCntrHiSpdTimer4_mS_u16	20609		
k AutoCntrLoSpdCntrWindow HwDeg f32	29.8536549		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00249999994		
	255.177094		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	3.44891739		
k_AutoCntrl_oCndTimer1VahCnd_lab_63			
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	221.320831		
k_AutoCntrLoSpdTimer1_mS_u16	46162		
k_AutoCntrLoSpdTimer2_mS_u16	50158		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_UIs_f32	0.126599997		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	968.520996		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFAct	ive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	309385728		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	155.820129	155.820129 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	81.0852356	81.0852356 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.29925823	2.29925823 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	68.7160416	68.7160416 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	58454	58454 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	20609	20609 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	309385728	309385728	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3.14116478e-005	3.1399999e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	602.94635	602.94635 ± 0.2	_
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	221.670746	221.670746 ± 0.5	
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	10.0753288	10.0753288 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	3.12775111	3.12775111 ± 0.0625	
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	58454	58454 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22220	22220 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	309385728	309385728	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255.177094 221.320831	255.177094 ± 0.2 221.320831 ± 0.5	_
		771 370831 + 0.5	~

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.44891739	3.44891739 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	29.8536549	29.8536549 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46162	46162 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	50158	50158 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	309385728	309385728	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3.14116478e-005	3.1399999e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				~
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00080999998	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	23.8171101	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0759999976	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	79.877243	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.8524735	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	164.951675	
k_AutoCntrHiSpdTimer1_mS_u16	16138	
k_AutoCntrHiSpdTimer2_mS_u16	23331	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	78.1467133	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	32.7761002	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.07399654	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	38.1457062	
k_AutoCntrHiSpdTimer4_mS_u16	46166	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	81.6020432	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000199999995	
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_UIs_f32	0.133200005	
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1	
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	944.487976	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_Igc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0	
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008	
Name	Actual Value Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	32.7761002 32.7761002 ± 0.2	rtoou
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	38.1457062 38.1457062 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.07399654 2.07399654 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1467133 78.1467133 ± 0.0625	
· · ·	16138 16138 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	46166 46166 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4164171008 4164171008 4164171008	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		
	2.50339508e-006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005 7.53999993e-005 ± 1.25663627181805E-00 79.877243 79.877243 ± 0.2	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.8524735 3.8524735 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	23.8171101 23.8171101 ± 0.0625 16138 16138 ± 2	
VabDun AutoCatal ICad M ata Timond There by 1100		· · · · •
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16		
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	23331 23331 ± 2 4164171008 4164171008	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000954568386	0.000954588002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	367.93277	367.93277 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	150.688919	150.688919 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.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	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	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000954568386	0.000954588002 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.133200005	0.133200005	~
VehDyn_SLPHwPos_HwDeg_M_f32	944.487976	944.487976	~

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

Test Step 2.24 (Repeat Count = 1)	Innut Value			
Name	Input Value	_		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curren			
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000850000011			
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	37.7641106			
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989			
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	12.4052467			
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.2494946			
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.530762			
k_AutoCntrHiSpdTimer1_mS_u16	18642			
k_AutoCntrHiSpdTimer2_mS_u16	24442			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.24184275			
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	638.897888			
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.65499401			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	82.6361694			
k_AutoCntrHiSpdTimer4_mS_u16	51569			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	31.2713699			
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001			
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.000199999995			
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	537.7453			
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.52731705			
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	193.256531			
k_AutoCntrLoSpdTimer1_mS_u16	29076			
k AutoCntrLoSpdTimer2 mS u16	43868			
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.0225000009			
k SLPEnableBFCheck Cnt lgc	1			
k_SLPHwAuthority_Uls_f32	0.139799997			
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0			
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	920.455017			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_	Cnt lac		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset			
target VehDyn Init1 FaultBFActive Cnt Igc.value	1			
tgt_GetSystemTime_mS_u32_CurrentTime	437658624			
Name	Actual Value	Expected Value	Resul	
	638.897888	638.897888 ± 0.2	itesui	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	82.6361694			
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32		82.6361694 ± 0.5		
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.65499401	7.65499401 ± 0.04		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.24184275	5.24184275 ± 0.0625		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	18642	18642 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51569	51569 ± 2	•	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	437658624	437658624	١.	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	437658624	437658624	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	12.4052467	12.4052467 ± 0.2	•	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.530762	168.530762 ± 0.5	•	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2494946	16.2494946 ± 0.04	•	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	37.7641106	37.7641106 ± 0.0625	١.,	

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	18642	18642 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	24442	24442 ± 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	0.00028270483	0.000282702997 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	537.7453	537.7453 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	193.256531	193.256531 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.52731705	8.52731705 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	31.2713699	31.2713699 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076	29076 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868	43868 ± 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	0.000439703465	0.000439725991 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00028270483	0.000282702997 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.25 (Repeat Count = 1)			✓	
Name	Input Value	Input Value		
GetSystemTime_mS_u32(CurrentTime)	· ·	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000890000025			
k AutoCntrHiSpdCntrWindow HwDeg f32	39.3153801			
k AutoCntrHiSpdFilt1Kn Hz f32	0.063000001			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0491000004			
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	349.296539			
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	1.81056666			
k AutoCntrHiSpdTimer1VehSpd kph f32	65.5278778			
k AutoCntrHiSpdTimer1 mS u16	35706			
k AutoCntrHiSpdTimer2 mS u16	25553			
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	23.2325249			
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	344.000977			
k AutoCntrHiSpdTimer4PinTrg HwNm f32	1.13386405			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	122.149155			
k AutoCntrHiSpdTimer4 mS u16	10394			
k AutoCntrLoSpdCntrWindow HwDeg f32	37.9574203			
k AutoCntrLoSpdFilt1Kn Hz f32	0.0560000017			
k AutoCntrLoSpdFilt2Kn Hz f32	0.10000001			
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	37.5066719			
k AutoCntrLoSpdTimer1PinTrg HwNm f32	2.22880888			
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	237.538071			
k AutoCntrLoSpdTimer1 mS u16	32821			
k AutoCntrLoSpdTimer2 mS u16	53946			
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.063000001			
k SLPEnableBFCheck Cnt lgc	0			
k SLPHwAuthority Uls f32	0.146400005			
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1			
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	896.421997			
target Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActive	Ont Igo		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target VehDyn Init1 FaultBFActive Cnt Igc.value	0			
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312			
Name	Actual Value	Expected Value	Result	
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	344.000977	344,000977 ± 0.2	~	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	122.149155	122.149155 ± 0.5	-	
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	1.13386405	1.13386405 ± 0.04	-	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.2325249	23.2325249 ± 0.0625	-	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	35706	35706 ± 2		
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	10394	10394 ± 2	-	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312	3941357312		
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3941357312	3941357312	-	
	-300.0.2	301.00.0.2		

0.000703454018

0.00125586987

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 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32$

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$

0.000703468977 ± 1.25663627181805E-06

0.00125584798 ± 1.25663627181805E-06





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	349.296539	349.296539 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	65.5278778	65.5278778 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.81056666	1.81056666 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	39.3153801	39.3153801 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	35706	35706 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	25553	25553 ± 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	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000616788864	0.000616818026 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	37.5066719	37.5066719 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	237.538071	237.538071 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.22880888	2.22880888 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	37.9574203	37.9574203 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821	32821 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946	53946 ± 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	0.000703454018	0.000703468977 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.146400005	0.146400005	~
VehDyn_SLPHwPos_HwDeg_M_f32	896.421997	896.421997	~

Test Step Call Trace				V
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			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00092999998			
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100			
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961			
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	643.884338			
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.05844259			
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	123.333405			
k_AutoCntrHiSpdTimer1_mS_u16	57034			
k_AutoCntrHiSpdTimer2_mS_u16	26664			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	60.1197929			
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	469.973907			
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	236.657074			
k_AutoCntrHiSpdTimer4_mS_u16	25061			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	40.504673			
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0670000017			
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00019999995			
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	415.313232			
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.79858875			
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	84.7403259			
k_AutoCntrLoSpdTimer1_mS_u16	40437			
k_AutoCntrLoSpdTimer2_mS_u16	13059			
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009			
k_SLPEnableBFCheck_Cnt_lgc	1			
k_SLPHwAuthority_Uls_f32	0.152999997			
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	872.388977			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActi	ve_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1			
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296			
Name	Actual Value	Expected Value	Result	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	469.973907	469.973907 ± 0.2	•	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.657074	236.657074 ± 0.5	•	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	60.1197929	60.1197929 ± 0.0625	•	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	57034	57034 ± 2	•	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	25061	25061 ± 2		





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	643.884338	643.884338 ± 0.2	-
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123.333405	123.333405 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.05844259	7.05844259 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	57034	57034 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	26664	26664 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3304439296	3304439296	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	415.313232	415.313232 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.7403259	84.7403259 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.79858875	5.79858875 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	40.504673	40.504673 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437	40437 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059	13059 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3304439296	3304439296	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Name	Input Value	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime	
Rte_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn 2	
VehDyn PinTrgSV M str.K Uls f32	0.000969999994	
k AutoCntrHiSpdCntrWindow HwDeg f32	43.0070915	
k AutoCntrHiSpdFilt1Kn Hz f32	0.0049999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0340000018	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	532.273438	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.9590406	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	239.526199	
k_AutoCntrHiSpdTimer1_mS_u16	56740	
k_AutoCntrHiSpdTimer2_mS_u16	27775	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	99.817543	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	9.99269104	
k_AutoCntrHiSpdTimer4_mS_u16	18881	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	84.9841919	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00600000005	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00449999981	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	328.558777	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	13.5039825	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	138.992935	
k_AutoCntrLoSpdTimer1_mS_u16	2291	
k_AutoCntrLoSpdTimer2_mS_u16	58929	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.159600005	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	848.356018	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0	
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344	
Name	Actual Value Expected Value F	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0 0 ± 0.2	•
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	9.99269104 ± 0.5	•





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	99.817543	99.817543 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	56740	56740 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18881	18881 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	5.65648079e-005	5.65000009e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	532.273438	532.273438 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	239.526199	239.526199 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.9590406	14.9590406 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	43.0070915	43.0070915 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	56740	56740 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27775	27775 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427186489	0.00042716501 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	328.558777	328.558777 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	138.992935	138.992935 ± 0.5	~
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	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	5.65648079e-005	5.65000009e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.159600005	0.159600005	~
VehDyn_SLPHwPos_HwDeg_M_f32	848.356018	848.356018	~

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

Test Step 2.28 (Repeat Count = 1) Name	Input Value
	•
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	1.9999995e-005
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_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 Igc	1
k SLPHwAuthority Uls f32	0.166199997
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	824.322998
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_Igc
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1

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VehDyn_Init1

Name

tgt_GetSystemTime_mS_u32_CurrentTime

Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504		
Name	Actual Value	Expected Value	Result
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	✓
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	9.79999968e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000540196896	0.000540208013 ± 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	3.01206732 ± 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	6.53000025e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 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	9.79999968e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000540196896	0.000540208013 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	3.999999e-005
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	15.5979691
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0320999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	579.395874
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.52602291
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	32.8235931
k_AutoCntrHiSpdTimer1_mS_u16	20288
k_AutoCntrHiSpdTimer2_mS_u16	29997
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	17.897419
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	334.049988
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.106655896
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	18.8970184
k_AutoCntrHiSpdTimer4_mS_u16	39085
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	73.1804352
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	436.510376
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.4573536
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	162.399216
k_AutoCntrLoSpdTimer1_mS_u16	53970
k_AutoCntrLoSpdTimer2_mS_u16	52282
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0320999995
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.172800004
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	800.289978		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_	target_VehDyn_Init1_FaultBFActive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	334.049988	334 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.8970184	18.8970184 ± 0.5	•
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	0.106655896	0.106655896 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	17.897419	17.897419 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20288	20288 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39085	39085 ± 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	0.000113070011	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	579.395874	579.395874 ± 0.2	-
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	32.8235931	32.8235931 ± 0.5	-
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.52602291	7.52602291 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	15.5979691	15.5979691 ± 0.0625	•
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	0.000403298996 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.172800004	0.172800004	•
VehDyn SLPHwPos HwDeg M f32	800.289978	800.289978	-

Test Step Call Trace				✓
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
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	5.9999985e-005
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





Name	Input Value			
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0850000009	0.0850000009		
k_SLPEnableBFCheck_Cnt_lgc	1			
k_SLPHwAuthority_Uls_f32	0.179399997			
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	776.257019			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFAc	tive_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1			
tgt_GetSystemTime_mS_u32_CurrentTime	71426560			
Name	Actual Value	Expected Value	Result	
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	147.148361	147.148361 ± 0.2	•	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	0	0 ± 0.5	•	
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	12.9904881	12.9904881 ± 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	•	
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	0.000432189991 ± 1.25663627181805E-06		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000791370869	0.000791368017 ± 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	0.00106757099 ± 1.25663627181805E-06		
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	0.000113091002 ± 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	0.000432189991 ± 1.25663627181805E-06	•	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	•	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00106757879	0.00106757099 ± 1.25663627181805E-06	•	
VehDyn_SLPHwAuth_Uls_M_f32	0	0		
VehDyn SLPHwPos HwDeg M f32	0	0		

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

Test Step 2.31 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	7.999998e-005
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





Name	Input Value		
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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	752.223999		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2430672128		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	625.957947	625.957947 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	-
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	0.000575373997 ± 1.25663627181805E-06	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51531601e-005	2.51000001e-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.FiltPinTrg 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	J
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2430672128	2430672128	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	j
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	184.918839	184.918839 ± 0.2	j
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	245.86824	245.86824 ± 0.5	
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	18.828949	18.828949 ± 0.04	j
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	V
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn PinTrqSV M str.K Uls f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	j
VehDyn_SLPHwAuth_Uls_M_f32	0.186000004	0.186000004	
	752.223999	752,223999	
VehDyn_SLPHwPos_HwDeg_M_f32			

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.9999975e-005
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
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

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Input Value



Name



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		0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc		1		
k_SLPHwAuthority_Uls_f32		0.192599997		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc		0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32		728.190979		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc		target_VehDyn_Init1_FaultBFActive	Cnt lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset		target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value		1		
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 ± 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.Timer1Thresh_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	6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		6.28232956e-005	6.2799998e-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	52:0222004 1 0:0023	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16		33330	33330 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32		2242866176	2242866176	
		2242866176	2242866176	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		0.000791370869	0.000791368017 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32		195.818787	195.818787 ± 0.2	
		29.3435669	29.3435669 ± 0.5	-
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 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.Timer2 ms u32		2242866176	2242866176	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32		2242866176	2242866176	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
		6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32		0.282329566-005	0.27999966-005 ± 1.25003627161605E-06	-
		0	0	
VehDyn_SLPHwPos_HwDeg_M_f32		V	U	
Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result

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

Name	Innut Value	
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000119999997	
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	





Name	Input Value		
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	0		
k_SLPHwAuthority_Uls_f32	0.199200004		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	704.15802		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive	Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset	_011_190	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2269150976		
		From a start Walter	D
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	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 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	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-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	0.000113091002 ± 1.25663627181805E-06	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn PinTrgSV M str.K Uls f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn SLPHwAuth Uls M f32	0.199200004	0.199200004	
VehDyn_SLPHwPos_HwDeg_M_f32	704.15802	704.15802	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000140000004	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.5981827	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	160.17424	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.19048309	





Name	Input Value		
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		
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.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	680.125		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_Ig	С	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
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	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 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	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn SLPHwAuth Uls M f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	_
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Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	

Test Step 2.35 (Repeat Count = 1)		
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000159999996	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	29.3254967	





venDyn_Init1		MACILIA
Name	Input Value	
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	
k_AutoCntrHiSpdTimer4_mS_u16	40693	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	22.5556393	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	413.003265	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	4.57800722	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	89.0179596	
k_AutoCntrLoSpdTimer1_mS_u16	24720	
k_AutoCntrLoSpdTimer2_mS_u16	36760	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.212400004	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	656.09198	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0	
tgt_GetSystemTime_mS_u32_CurrentTime	812314880	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	525.822998 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	44.416153	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.0500002 14.0100002 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	39.3708954 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	55165 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	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 0.000791368017 ± 1.2566362	7181805E-06
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005 2.51000001e-005 ± 1.2566362	27181805E-06
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	677.585876 ± 0.2	

tgt_GetSystemTime_ms_u32_CurrentTime	012314000		
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.FiltPinTrq_HwNm_f32	14.0500002	14.0100002 ± 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	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	ŝ •
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	677.585876	677.585876 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.264114	186.264114 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.90520477	7.90520477 ± 0.04	~
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	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	ŝ 💙
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.FiltPinTrq_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	0.000791368017 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	ŝ •
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.212400004	0.212400004	~
VehDyn_SLPHwPos_HwDeg_M_f32	656.09198	656.09198	✓

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





Test Step 2.36 (Repeat Count = 1)	Input Value		
Name CetSystemTime, mS_u32/CurrentTime)	Input Value tgt GetSystemTime mS u32 CurrentTim	•	
GetSystemTime_mS_u32(CurrentTime)		e	
Rte_Inst_Ap_VehDyn VehDyn_PinTrqSV_M_str.K_Uls_f32	target_Rte_Inst_Ap_VehDyn_2 0.000180000003		
k AutoCntrHiSpdCntrWindow HwDeg f32	92.2299118		
k AutoCntrHiSpdFilt1Kn Hz f32	0.00499999989		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00980000012		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	235.852432		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	18.6467209		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	179.530945		
k_AutoCntrHiSpdTimer1_mS_u16	51432		
k_AutoCntrHiSpdTimer2_mS_u16	37774		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	598.552856		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.44533634		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	239.762329		
k_AutoCntrHiSpdTimer4_mS_u16	57193		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	58.8585777		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00200000009		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	691.251282		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	9.38685799		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	38.2069092		
k_AutoCntrLoSpdTimer1_mS_u16	44855		
k_AutoCntrLoSpdTimer2_mS_u16	51238		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.218999997		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	632.059021	leo.	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_	lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	3345084416		
tgt_GetSystemTime_mS_u32_CurrentTime		Funcated Value	Daguil
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	598.552856 239.762329	598.552856 ± 0.2 239.762329 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.44533634	4.44533634 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51432	51432 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57193	57193 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32			
			■
	3345084416 3345084416	3345084416 3345084416	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3345084416	3345084416	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3345084416 2.51531601e-005	3345084416 2.51000001e-005 ± 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	3345084416 2.51531601e-005 6.28232956e-005	3345084416 2.51000001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 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	3345084416 2.51531601e-005 6.28232956e-005 235.852432	3345084416 2.51000001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	3345084416 2.51531601e-005 6.28232956e-005	3345084416 2.51000001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209	3345084416 2.51000001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774 3345084416	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2 3345084416	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774 3345084416 3345084416	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2 3345084416 3345084416	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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.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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774 3345084416 3345084416 6.28232956e-005	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2 3345084416 3345084416 6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774 3345084416 3345084416 6.28232956e-005 0.000123143196	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2 3345084416 3345084416 6.2799998e-005 ± 1.25663627181805E-06 0.000123143007 ± 1.25663627181805E-06	
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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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.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 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774 3345084416 3345084416 6.28232956e-005 0.000123143196 691.251282 38.2069092 9.38685799 58.8585777 44855 51238	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2 3345084416 6.2799998e-005 ± 1.25663627181805E-06 0.000123143007 ± 1.25663627181805E-06 691.251282 ± 0.2 38.2069092 ± 0.5 9.38685799 ± 0.04 58.8585777 ± 0.0625 44855 ± 2 51238 ± 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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774 3345084416 3345084416 6.28232956e-005 0.000123143196 691.251282 38.2069092 9.38685799 58.8585777 44855 51238 3345084416 3345084416	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2 3345084416 3345084416 6.2799998e-005 ± 1.25663627181805E-06 60.000123143007 ± 1.25663627181805E-06 691.251282 ± 0.2 38.2069092 ± 0.5 9.38685799 ± 0.04 58.8585777 ± 0.0625 44855 ± 2 51238 ± 2 3345084416 3345084416	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_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_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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774 3345084416 3345084416 6.28232956e-005 0.000123143196 691.251282 38.2069092 9.38685799 58.8585777 44855 51238 3345084416 3345084416 3345084416 2.51531601e-005	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2 3345084416 3345084416 6.2799998e-005 ± 1.25663627181805E-06 691.251282 ± 0.2 38.2069092 ± 0.5 9.36685799 ± 0.04 58.8585777 ± 0.0625 44855 ± 2 51238 ± 2 3345084416 3345084416 3345084416 3345084416 2.51000001e-005 ± 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 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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 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	3345084416 2.51531601e-005 6.28232956e-005 235.852432 179.530945 18.6467209 92.2299118 51432 37774 3345084416 3345084416 6.28232956e-005 0.000123143196 691.251282 38.2069092 9.36685799 58.8585777 44855 51238 3345084416 3345084416 3345084416 2.51531601e-005 6.28232956e-005	3345084416 2.5100001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 ± 0.0625 51432 ± 2 37774 ± 2 3345084416 3345084416 6.2799998e-005 ± 1.25663627181805E-06 691.251282 ± 0.2 38.2069092 ± 0.5 9.36685799 ± 0.04 58.8585777 ± 0.0625 44855 ± 2 51238 ± 2 3345084416 3345084416 3345084416 2.51000001e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06	



Test Step Call Trace				V
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		
	· ·		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTin target_Rte_Inst_Ap_VehDyn_2	IC	
Rte_Inst_Ap_VehDyn VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000199999995		
k AutoCntrHiSpdCntrWindow HwDeg f32	41.6950645		
k_AutoCntrHiSpdFilt1Kn Hz f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00989999995		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	463.985962		
k AutoCntrHiSpdTimer1PinTrq HwNm f32	8.70262909		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255		
k_AutoCntrHiSpdTimer1_mS_u16	12734		
k_AutoCntrHiSpdTimer2_mS_u16	38885		
k AutoCntrHiSpdTimer4CntrWindow HwDeq 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		
	0.0049999989		
k_AutoCntrLoSpdFilt1Kn_Hz_f32 k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012		
k_AutoCntrLoSpdFiitzKn_Hz_132 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	638.585999		
C AutoCntrLoSpdTimer1MitrVel_MitrRadpS_132 AutoCntrLoSpdTimer1PinTrq HwNm f32	4.9565835		
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	122.874435		
<pre><_AutoCntrLoSpdTimer1_mS_u16</pre>	26195		
k_AutoCntrLoSpdTimer2_mS_u16	22037		
<_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
<pre><_SLPEnableBFCheck_Cnt_lgc</pre>	0		
C_SLPHwAuthority_UIs_f32	0.225600004		
rarget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	608.026001		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_	igc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2704864000	I=	1_
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	179.399078	179.399078 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	82.9581757	82.9581757 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.4598589	12.4598589 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12734	12734 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	10910	12734 ± 2 10910 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		12734 ± 2 10910 ± 2 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	10910 2704864000 2704864000	12734 ± 2 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	10910 2704864000	12734 ± 2 10910 ± 2 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	10910 2704864000 2704864000 6.28232956e-005 0.000432193279	12734 ± 2 10910 ± 2 2704864000 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 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	10910 2704864000 2704864000 6.28232956e-005	12734 ± 2 10910 ± 2 2704864000 2704864000 6.2799998e-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	10910 2704864000 2704864000 6.28232956e-005 0.000432193279	12734 ± 2 10910 ± 2 2704864000 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 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.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	10910 2704864000 2704864000 6.28232956e-005 0.000432193279 463.985962	12734 ± 2 10910 ± 2 2704864000 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2	
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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10910 2704864000 2704864000 6.28232956e-005 0.000432193279 463.985962 255	12734 ± 2 10910 ± 2 2704864000 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 0.5	
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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.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	10910 2704864000 2704864000 6.28232956e-005 0.000432193279 463.985962 255 8.70262909 41.6950645	12734 ± 2 10910 ± 2 2704864000 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 0.5 8.70262909 ± 0.04 41.6950645 ± 0.0625	
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.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	10910 2704864000 2704864000 6.28232956e-005 0.000432193279 463.985962 255 8.70262909 41.6950645 12734	12734 ± 2 10910 ± 2 2704864000 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 0.5 8.70262909 ± 0.04 41.6950645 ± 0.0625 12734 ± 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_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NethSpd_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.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_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	10910 2704864000 2704864000 6.28232956e-005 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885 2704864000 2704864000 0.000314116478 0.000124394894 638.585999	12734 ± 2 10910 ± 2 2704864000 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 0.5 8.70262909 ± 0.04 41.6950645 ± 0.0625 12734 ± 2 38885 ± 2 2704864000 2704864000 0.000314109988 ± 1.25663627181805E-06 0.000124398997 ± 1.25663627181805E-06 638.585999 ± 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_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHyPosFilt2SV_HwDeg_str.K_Uls_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.CntrWindow_HwDeg_f32	10910 2704864000 2704864000 6.28232956e-005 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885 2704864000 2704864000 0.000314116478 0.000124394894 638.585999 122.874435 4.9565835	12734 ± 2 10910 ± 2 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 0.5 8.70262909 ± 0.04 41.6950645 ± 0.0625 12734 ± 2 38885 ± 2 2704864000 2704864000 0.000314109988 ± 1.25663627181805E-06 0.38.585999 ± 0.2 122.874435 ± 0.5 4.9565835 ± 0.04	
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VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_su16 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_hwNm_su16 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_hwNm_su16	10910 2704864000 2704864000 6.28232956e-005 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885 2704864000 2704864000 0.000314116478 0.000124394894 638.585999 122.874435 4.9565835 75.6018066 26195	12734 ± 2 10910 ± 2 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 0.5 8.70262909 ± 0.04 41.6950645 ± 0.0625 12734 ± 2 38885 ± 2 2704864000 2704864000 0.000314109988 ± 1.25663627181805E-06 0.38.585999 ± 0.2 122.874435 ± 0.5 4.9565835 ± 0.04 75.6018066 ± 0.0625 26195 ± 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_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_hwNm_g32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_hwNm_g32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_hwNm_g32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_hwNm_g32 VehDyn_AutoCntrLoSpd_M_str.TiltPinTrq_hwNm_g32	10910 2704864000 2704864000 6.28232956e-005 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885 2704864000 2704864000 0.000314116478 0.000124394894 638.585999 122.874435 4.9565835 75.6018066 26195 22037 2704864000	12734 ± 2 10910 ± 2 2704864000 6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 0.5 8.70262909 ± 0.04 41.6950645 ± 0.0625 12734 ± 2 38885 ± 2 2704864000 2704864000 0.000314109988 ± 1.25663627181805E-06 638.585999 ± 0.2 122.874435 ± 0.5 4.9565835 ± 0.04 75.6018066 ± 0.0625 26195 ± 2 22037 ± 2 2704864000	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-	06
VehDyn_SLPHwAuth_Uls_M_f32	0.225600004	0.225600004	~
VehDyn_SLPHwPos_HwDeg_M_f32	608.026001	608.026001	~

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

Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime	
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn PinTrqSV M str.K Uls f32	0.000220000002	
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	
<_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	243.44046	
	17.900116	
<_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.667511	
<_AutoCntrHiSpdTimer4VehSpd_kph_f32		
<_AutoCntrHiSpdTimer4_mS_u16	16349	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	46.103508	
x_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00520000001	
x_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004	
C_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	159.033066	
C_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.4460754	
x_AutoCntrLoSpdTimer1VehSpd_kph_f32	56.1687317	
C_AutoCntrLoSpdTimer1_mS_u16	43190	
c_AutoCntrLoSpdTimer2_mS_u16	3186	
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001	
<pre>c_SLPEnableBFCheck_Cnt_lgc</pre>	1	
C_SLPHwAuthority_Uls_f32	0.232199997	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	583.992981	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc		
rarget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc rarget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_VehDyn_Init1_FaultBFActive_Cnt_lgc	
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1	Resu
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400	Resu
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name //ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value Expected Value	
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 243.44046 ± 0.2 17.667511 17.667511 ± 0.5	
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name /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	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06
carget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc carget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset carget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value cgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Vame VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Vame VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Vame VehDyn_AutoCntrDetSpd_M_str.WthVel_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.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	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name 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.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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.667511 17.900116 17.900116 17.90500031 4764 4764 4764 42 16349 16349 16349 ± 2 1662694400 662694400 662694400 662694400 662694400 662694400 653266907e-005 0.000575363663 0.000575373997 ± 1.25663627181805E 573.473022 573.473022 573.473022 573.473022 573.473022 99.2100525 1.88103604 1.88103604 1.88103604 ± 0.04 75.4518967 75.4518967 4764 ± 2	E-06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_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_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.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.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.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.NttVel_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_ms_u32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Tresh_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.NelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.667511 17.900116 79.0500031 4764 16349 16349 ± 2 662694400 662694400 662694400 65.3266907e-005 0.000575363636 0.000575363636 573.473022 99.2100525 1.88103604	E-06 -06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hmS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hmS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hmS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hmS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.667511 17.900116 79.0500031 4764 16349 16349 ± 2 662694400 662694400 662694400 65.3266907e-005 0.000575363636 0.000575363636 573.473022 99.2100525 1.88103604	E-06 -06
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value tgt_GetSystemTime_mS_u32_CurrentTime 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.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06 -06 06
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.WehSpd_kph_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06 -06 06
	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	-06
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u20 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.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u36 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.TitPinTrq_HwNm_f32	target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	E-06 -06 -06 06





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	662694400	662694400	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	662694400	662694400	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn SLPHwPos HwDeg M f32	0	0	✓

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

Test Step 2.39 (Repeat Count = 1)			V
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00023999994		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	43.6620522		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0149999997		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	448.286377		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	144.583755		
k AutoCntrHiSpdTimer1 mS u16	0		
k_AutoCntrHiSpdTimer2_mS_u16	41107		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	62.654911		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	608.513794		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	11.5653687		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	76.64888		
k_AutoCntrHiSpdTimer4_mS_u16	51504		
k AutoCntrLoSpdCntrWindow HwDeg f32	91.3417435		
k_AutoCntrLoSpdCrittvilidow_riwDeg_is2 k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	487.27597		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.8190889		
	254.395218		
k_AutoCotrl_oSpdTimer1_mS_ut6			
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		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	559.960022		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFAc	tive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
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	76.64888	76.64888 ± 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	0.000403298996 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000188469887	0.000188478007 ± 1.25663627181805E-06	
VehDyn_AutoCntrloSpd_M_str.MtrVel_MtrRadpS_f32	487.27597	487.27597 ± 0.2	j
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	254.395218	254.395218 ± 0.5	
vonbyn_Autoonticoopu_ivi_str.venopu_kpii_ioz	204.030210	ZJ4.J3JZ 10 I U.J	·

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Name	Actual Value	Expected Value	Result
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	0.000403298996 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.238800004	0.238800004	~
VehDyn_SLPHwPos_HwDeg_M_f32	559.960022	559.960022	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000260000001		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	75.7771378		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	170.210068		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	9.64343548		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	112.884521		
k_AutoCntrHiSpdTimer1_mS_u16	60000		
k_AutoCntrHiSpdTimer2_mS_u16	42218		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	97.1869812		
 AutoCntrHiSpdTimer4MtrVel MtrRadpS f32 	601.888977		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20		
k AutoCntrHiSpdTimer4VehSpd kph f32	166.376648		
k AutoCntrHiSpdTimer4 mS u16	57879		
AutoCntrLoSpdCntrWindow_HwDeg_f32	28.5844917		
AutoCntrLoSpdFilt1Kn Hz f32	0.0850000009		
< AutoCntrLoSpdFilt2Kn Hz f32	0.00899999961		
<pre>C_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32</pre>	686.9823		
AutoCntrLoSpdTimer1PinTrg HwNm f32	7.86307621		
AutoCntrLoSpdTimer1VehSpd kph f32	33.3876343		
AutoCntrLoSpdTimer1 mS u16	10412		
< AutoCntrLoSpdTimer2 mS u16	3277		
<nutcontr_corporationsmo_arrow< p=""> <_AutoCntrPinTrqLPFCoeffKn_Hz_f32</nutcontr_corporationsmo_arrow<>	0.00499999989		
SLPEnableBFCheck Cnt lgc	1		
SLPHwAuthority Uls f32	0.245399997		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	535.927002		
arget Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActive Cnt Igc		
arget Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
gt_GetSystemTime_mS_u32_CurrentTime	4129141760		
		F	l
Name	Actual Value	Expected Value	Resi
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	601.888977	601.888977 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.376648	166.376648 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.1869812	97.1869812 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57879	57879 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4129141760	4129141760	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4129141760	4129141760	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757099 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	170.210068	170.210068 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	112.884521	112.884521 ± 0.5	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.64343548	9.64343548 ± 0.04	
/ehDyn_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	

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VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	•
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	0.00106757099 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.41 (Repeat Count = 1)			9
Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cur	rentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000280000007		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	36.63274		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	292.78537		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.4148769		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	70.7165985		
k_AutoCntrHiSpdTimer1_mS_u16	13897		
k_AutoCntrHiSpdTimer2_mS_u16	43329		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	14.9879189		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	291.415405		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.84722853		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	41.1777191		
k_AutoCntrHiSpdTimer4_mS_u16	44494		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.4213715		
k AutoCntrLoSpdFilt1Kn Hz f32	0.00899999961		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	170.99588		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.17953968		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	7.39476013		
k_AutoCntrLoSpdTimer1_mS_u16	16683		
k_AutoCntrLoSpdTimer2_mS_u16	22497		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.252000004		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	511.894012		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActiv	e_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2836768512		
Name	Actual Value	Expected Value	Resu
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	291.415405	291.415405 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	41.1777191	41.1777191 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.84722853	7.84722853 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	14.9879189	14.9879189 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13897	13897 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	44494	44494 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2836768512	2836768512	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2836768512	2836768512	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	292.78537	292.78537 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	70.7165985	70.7165985 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.4148769	15.4148769 ± 0.04	
· - ·			

36.63274

VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32

36.63274 ± 0.0625

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13897	13897 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43329	43329 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2836768512	2836768512	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2836768512	2836768512	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 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	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.252000004	0.252000004	~
VehDyn_SLPHwPos_HwDeg_M_f32	511.894012	511.894012	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
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_Curre	ntTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn PinTrgSV M str.K Uls f32	0.000300000014		
k AutoCntrHiSpdCntrWindow HwDeg f32	77.1508331		
k AutoCntrHiSpdFilt1Kn Hz f32	0.0458000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	263.707825		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.88711405		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	81.0172424		
k_AutoCntrHiSpdTimer1_mS_u16	38792		
k_AutoCntrHiSpdTimer2_mS_u16	44440		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	90.0811462		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	417.567505		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	13.1425486		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	224.821381		
k_AutoCntrHiSpdTimer4_mS_u16	0		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	89.9028549		
k AutoCntrLoSpdFilt1Kn Hz f32	0.00499999989		
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.NVMStoredLastPosValid Cnt Igc	0		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	487.860992		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_	Cnt Igc	
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	2478427648		
Name	Actual Value	Expected Value	Result
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.FiltPinTrq HwNm f32	13.1425486	13.1425486 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	90.0811462	90.0811462 ± 0.0625	-
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	38792	38792 ± 2	-
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	0	0 ± 2	-
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2478427648	2478427648	-
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2478427648	2478427648	-

6.28232956e-005

0.000791370869

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 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32$

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$

6.2799998e-005 ± 1.25663627181805E-06

0.000791368017 ± 1.25663627181805E-06





Name	Actual Value	Expected Value	Result
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	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.1508331	77.1508331 ± 0.0625	✓
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	0.000575373997 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 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	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
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_Cu	rrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000319999992		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	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		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	190.724686		
k_AutoCntrHiSpdTimer1_mS_u16	28556		
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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	463.828003		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActiv	ve_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target VehDyn Init1 FaultBFActive Cnt Igc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	4180236544		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	132.854568	132.854568 ± 0.2	11000.
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	41.7497711	41.7497711 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	2.87444711	2.87444711 ± 0.04	
VehDyn AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	95.2508621	95.2508621 ± 0.0625	
, _ ,	28556	28556 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16			





Name	Actual Value	Expected Value	Result
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	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
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	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-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	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.265199989	0.265199989	~
VehDyn_SLPHwPos_HwDeg_M_f32	463.828003	463.828003	~

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

Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn PinTrgSV M str.K Uls f32	0.000339999999	
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	45770	
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.NVMStoredLastPosValid_Cnt_lgc	0	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	439.795013	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1	
tgt_GetSystemTime_mS_u32_CurrentTime	3368466432	
Name	Actual Value Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	661.950806 ± 0.2	٠,
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	111.386475	

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VehDyn_Init1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.5126753	15.5126753 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	38.5810089	38.5810089 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16090	16090 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	45770	45770 ± 2	~
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	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Name	Input Value
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2
VehDyn PinTrgSV M str.K Uls f32	0.000360000005
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.NVMStoredLastPosValid Cnt Igc	1
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	415.761993
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target VehDyn Init1 FaultBFActive Cnt Igc
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	170564352		
Name	Actual Value	Expected Value	Result
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	•
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	0.000791368017 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-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	0.000314109988 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 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	0.000791368017 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	-
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0.278400004	0.278400004	-
VehDyn SLPHwPos HwDeg M f32	415.761993	415.761993	•

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

Name	Input Value
	·
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000380000012
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
x_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.93631697
AutoCntrLoSpdTimer1VehSpd kph f32	104.043854
<pre>c_AutoCntrLoSpdTimer1_mS_u16</pre>	18398
AutoCntrLoSpdTimer2 mS u16	39001
AutoCntrPinTrqLPFCoeffKn Hz f32	0.063000001
SLPEnableBFCheck Cnt lgc	1
SLPHwAuthority Uls f32	0.284999996
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	391.729004		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_	target_VehDyn_Init1_FaultBFActive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	625668608		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	12.3902884	12.3902884 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	119.534821	119.534821 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.3508968	18.3508968 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	40.6512985	40.6512985 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43706	43706 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	5814	5814 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	625668608	625668608	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	625668608	625668608	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811984 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	158.649628	158.649628 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.1538467	15.1538467 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	36.1406059	36.1406059 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43706	43706 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	48884	48884 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	625668608	625668608	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	625668608	625668608	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	11.0084457	11.0084457 ± 0.2	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	104.043854	104.043854 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.93631697	6.93631697 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	29.760561	29.760561 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	18398	18398 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39001	39001 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	625668608	625668608	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	625668608	625668608	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811984 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	•

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

Test Step 2.47 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00039999999
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	96.1530533
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	328.049988
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.2922134
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	42.3900299
k_AutoCntrHiSpdTimer1_mS_u16	44765
k_AutoCntrHiSpdTimer2_mS_u16	49995
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	69.3795242
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	225.86203
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.1959343
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	253.171951
k_AutoCntrHiSpdTimer4_mS_u16	45170
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.388649
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0560000017
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	403.203857
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.2375278
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	216.894852
k_AutoCntrLoSpdTimer1_mS_u16	51139
k_AutoCntrLoSpdTimer2_mS_u16	36841





Name	Input Value		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.291599989		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	367.696014		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFAc	tive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	0		
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.FiltPinTrg 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	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	✓
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	328.049988	328 ± 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	2.51000001e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	-
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.291599989	0.291599989	•
VehDyn SLPHwPos HwDeg M f32	367.696014	367.696014	-

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

Test Step 2.48 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000419999997
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	57.9277039
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
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	70.1366196





Name	Input Value		
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.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	343.662994		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFAct	ive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
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.FiltPinTrg HwNm f32	13.9586134	13.9586134 ± 0.04	-
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	57.9277039	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	0.000113091002 ± 1.25663627181805E-06	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000841617584	0.000841591973 ± 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	6.2799998e-005 ± 1.25663627181805E-06	_
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	0.000113091002 ± 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	0.000113091002 ± 1.25663627181805E-06	-
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	-
VehDyn PinTrqSV M str.K Uls f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	-
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~
,			

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

Test Step 2.49 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000440000003
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
k_AutoCntrHiSpdTimer4_mS_u16	54573





Name	Input Value		
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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	319.630005		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive	e_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	4195077888		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	265.609314	265.609314 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.135361	196.135361 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	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	0.000314109988 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	525.752197	525.752197 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.4235058	13.4235058 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5801086	88.5801086 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42277	42277 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52217	52217 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	72.2188644	72.2188644 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	172.141464	172.141464 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.45036793	5.45036793 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	58.6687202	58.6687202 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	47724	47724 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	1764	1764 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4195077888	4195077888	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.304800004	0.304800004	~
VehDyn_SLPHwPos_HwDeg_M_f32	319.630005	319.630005	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046000001
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
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	49.7095528





Name	Input Value		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	450.146423		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.50154114		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	182.573456		
k_AutoCntrHiSpdTimer4_mS_u16	7812		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	61.1730156		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00779999979		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	560.017944		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.75256419		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	184.805145		
k_AutoCntrLoSpdTimer1_mS_u16	10463		
k_AutoCntrLoSpdTimer2_mS_u16	43013		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0350000001		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.311399996		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	295.596985		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActiv	ve_Cnt_lgc	
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	1		
tgt GetSystemTime mS u32 CurrentTime	2339853824		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	450.146423	450.146423 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	182.573456	182.573456 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.50154114	9.50154114 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	49.7095528	49.7095528 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	8935	8935 ± 2	-
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7812	7812 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2339853824	2339853824	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-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 ± 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	0.000439725991 ± 1.25663627181805E-06	,
	0.000433703403	0.000791368017 ± 1.25663627181805E-06	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	560.017944		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	184.805145	560.017944 ± 0.2 184.805145 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	3.75256419 61.1730156	3.75256419 ± 0.04 61.1730156 ± 0.0625	V
7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	10463	10463 ± 2	,
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16			~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43013 2339853824	43013 ± 2 2339853824	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32			
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2339853824	2339853824	· ·
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-005 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	V
VehDyn_SLPHwAuth_Uls_M_f32	0	0	V
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.51 (Repeat Count = 1)		✓
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479999988	
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	





Name	Input Value		
k AutoCntrHiSpdTimer1VehSpd kph f32	193.532913		
k AutoCntrHiSpdTimer1 mS u16	16201		
k AutoCntrHiSpdTimer2 mS u16	54439		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1727753		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	520.135864		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	12.4131937		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	52.6185455		
k_AutoCntrHiSpdTimer4_mS_u16	54779		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	27.0724258		
k AutoCntrLoSpdFilt1Kn Hz f32	0.00200000009		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	199.42067		
k 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_lgc	0		
k_SLPHwAuthority_UIs_f32	0.317999989		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	271.563995		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_Igo	•	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt GetSystemTime mS u32 CurrentTime	3524313344		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	520.135864	520.135864 ± 0.2	result
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	2.51000001e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	572.561157	572.561157 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	193.532913	193.532913 ± 0.5	•
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	0	0 ± 0.04	_
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	19.5605583	19.5605583 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16201	16201 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	54439	54439 ± 2	-
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3524313344	3524313344	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3524313344	3524313344	•
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-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	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000713070011	0.000713091002 ± 1.25063627161805E-06 0.000703468977 ± 1.25663627181805E-06	
VehDyn SLPHwAuth Uls M f32	0.317999989	0.317999989	-
	271.563995		-
VehDyn_SLPHwPos_HwDeg_M_f32	21 1.003883	271.563995	_

Test Step Call Trace				✓
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	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000500000024	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	72.3069534	





Name	Input Value			
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0670000017			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989			
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	532.443176	532.443176		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20			
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	116.974548			
k_AutoCntrHiSpdTimer1_mS_u16	28925			
k_AutoCntrHiSpdTimer2_mS_u16	55550			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	67.8938828			
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	498.552795			
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	1.5492686			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	42.4051514			
k_AutoCntrHiSpdTimer4_mS_u16	40071			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	51.3248215			
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989			
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_UIs_f32	0.324600011			
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	247.531006			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_lo	gc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1			
tgt_GetSystemTime_mS_u32_CurrentTime	2108719104			
Name	Actual Value	Expected Value	Result	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.552795	498.552795 ± 0.2	•	
		10 1051511 : 0.5		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	42.4051514	42.4051514 ± 0.5	•	

tgt_GetGystein fille_inG_u32_Guirent fille	2100719104		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.552795	498.552795 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	42.4051514	42.4051514 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.5492686	1.5492686 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	67.8938828	67.8938828 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	28925	28925 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	40071	40071 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2108719104	2108719104	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2108719104	2108719104	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	532.443176	532.443176 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.974548	116.974548 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	72.3069534	72.3069534 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	28925	28925 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	55550	55550 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2108719104	2108719104	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2108719104	2108719104	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	•
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	32.0000687	32.0000687 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.9903564	86.9903564 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0.0526188612	0.0526188612 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	51.3248215	51.3248215 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	4363	4363 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58876	58876 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2108719104	2108719104	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2108719104	2108719104	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

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





Test Step 2.53 (Repeat Count = 1)	Input Value		
Name	Input Value	_	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTim	e	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000520000001		
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_UIs_f32	0.331200004		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	223.498001		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_	gc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2894938880		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	129.583893	129.583893 ± 0.2	rtoour
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.279709	169.279709 ± 0.5	•
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	•
	2894938880		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2094930000		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2004020000	2894938880	
	2894938880	2894938880	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	2894938880 6.53000025e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005 0.000575363636	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 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	6.53266907e-005 0.000575363636 330.663879	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 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	6.53266907e-005 0.000575363636 330.663879 53.6340179	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 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	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 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	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 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	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2	
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 56661 ± 2	0
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	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2	0
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	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 56661 ± 2	0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.Timer1_mS_u32	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 56661 ± 2 2894938880	0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 56661 ± 2 2894938880 2894938880	0
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.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	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880 0.000314116478	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 2894938880 2894938880 0.000314109988 ± 1.25663627181805E-06	
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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_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.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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 2894938880 2894938880 0.000314109988 ± 1.25663627181805E-06 6.53000025e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04 80.1532669 ± 0.0625 29601 ± 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 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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1S_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.NthrVel_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 2894938880 2894938880 0.000314109988 ± 1.25663627181805E-06 6.53000025e-005 ± 1.25663627181805E-06 207.336761 ± 0.2 126.774094 ± 0.5 15.5891829 ± 0.04 80.1532669 ± 0.0625 29601 ± 2 17463 ± 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 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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 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_Thresh_mS_u16	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463 2894938880	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 2894938880 2894938880 0.000314109988 ± 1.25663627181805E-06 6.53000025e-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	
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.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.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463 2894938880 2894938880	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 2894938880 2894938880 0.000314109988 ± 1.25663627181805E-06 6.53000025e-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 6.53000025e-005 ± 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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_HvNm_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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463 2894938880 2894938880 6.53266907e-005	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 2894938880 2894938880 0.000314109988 ± 1.25663627181805E-06 6.53000025e-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 2894938880 2894938880	
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.Timer1_mS_u32 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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880 0.000314116478 6.53266907e-005 207.336761 126.774094 15.5891829 80.1532669 29601 17463 2894938880 2894938880 6.53266907e-005 0.000575363636	2894938880 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5 14.0500002 ± 0.04 47.1172676 ± 0.0625 18436 ± 2 2894938880 2894938880 0.000314109988 ± 1.25663627181805E-06 6.53000025e-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 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06	



Test Step Call Trace				✓
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		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curren	tTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000539999979		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989		
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	19.9312115		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	251.952911		
k_AutoCntrHiSpdTimer4_mS_u16	14715		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	86.5985413		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	267.78949		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	17.6586285		
k AutoCntrLoSpdTimer1VehSpd kph f32	105.719757		
k_AutoCntrLoSpdTimer1_mS_u16	27170		
k AutoCntrLoSpdTimer2 mS u16	21888		
	0.00499999989		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32			
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.337799996		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	199.464996		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	40.3323212	40.3323212 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	251.952911	251.952911 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.9312115	19.9312115 ± 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	2050500226	2059598336	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2059598336	2039390330	
	0.000403285027	0.000403298996 ± 1.25663627181805E-06	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32			
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027 6.28232956e-005	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0.000403285027 6.28232956e-005 106.088676	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0.000403285027 6.28232956e-005 106.088676 82.7024841	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625	
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	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336 2059598336	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005 0.000439703465	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06 0.000439725991 ± 1.25663627181805E-06	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285	$\begin{array}{c} 0.00403298996 \pm 1.25663627181805E\text{-}06 \\ 6.2799998e\text{-}005 \pm 1.25663627181805E\text{-}06 \\ 106.088676 \pm 0.2 \\ 82.7024841 \pm 0.5 \\ 17.3796749 \pm 0.04 \\ 0 \pm 0.0625 \\ 53106 \pm 2 \\ 57772 \pm 2 \\ 2059598336 \\ 2059598336 \\ 6.2799998e\text{-}005 \pm 1.25663627181805E\text{-}06 \\ 0.000439725991 \pm 1.25663627181805E\text{-}06 \\ 267.78949 \pm 0.2 \\ 105.719757 \pm 0.5 \\ 17.6586285 \pm 0.04 \end{array}$	
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	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06 0.000439725991 ± 1.25663627181805E-06 267.78949 ± 0.2 105.719757 ± 0.5 17.6586285 ± 0.04 86.5985413 ± 0.0625	
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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413 27170	$\begin{array}{c} 0.00403298996 \pm 1.25663627181805E\text{-}06 \\ 6.2799998e\text{-}005 \pm 1.25663627181805E\text{-}06 \\ 106.088676 \pm 0.2 \\ 82.7024841 \pm 0.5 \\ 17.3796749 \pm 0.04 \\ 0 \pm 0.0625 \\ 53106 \pm 2 \\ 57772 \pm 2 \\ 2059598336 \\ 2059598336 \\ 6.2799998e\text{-}005 \pm 1.25663627181805E\text{-}06 \\ 0.000439725991 \pm 1.25663627181805E\text{-}06 \\ 267.78949 \pm 0.2 \\ 105.719757 \pm 0.5 \\ 17.6586285 \pm 0.04 \\ 86.5985413 \pm 0.0625 \\ 27170 \pm 2 \\ \end{array}$	
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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413 27170 21888	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06 0.000439725991 ± 1.25663627181805E-06 267.78949 ± 0.2 105.719757 ± 0.5 17.6586285 ± 0.04 86.5985413 ± 0.0625 27170 ± 2 21888 ± 2	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0.000403285027 6.28232956e-005 106.088676 82.7024841 17.3796749 0 53106 57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413 27170 21888 2059598336	0.000403298996 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 106.088676 ± 0.2 82.7024841 ± 0.5 17.3796749 ± 0.04 0 ± 0.0625 53106 ± 2 57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06 0.000439725991 ± 1.25663627181805E-06 267.78949 ± 0.2 105.719757 ± 0.5 17.6586285 ± 0.04 86.5985413 ± 0.0625 27170 ± 2 21888 ± 2 2059598336	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn SLPHwPos HwDeg M f32	0	0	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
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_Cu	rrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000560000015		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0560000017		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	246.491226		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.1210756		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	14.3564606		
k_AutoCntrHiSpdTimer1_mS_u16	40735		
k_AutoCntrHiSpdTimer2_mS_u16	58883		
k AutoCntrHiSpdTimer4CntrWindow HwDeq 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	0.008999999961		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	210.980316		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	5.85037804		
	177.992142		
k_AutoCntrl_oSpdTimer1VehSpd_kph_f32			
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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	175.432007		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActiv	ve_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	800969984		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	172.499313	172.499313 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	198.042679	198.042679 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.32853031	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	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	0.00106757099 ± 1.25663627181805E-06	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	246.491226	246.491226 ± 0.2	
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	14.3564606	14.3564606 ± 0.5	
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	15.1210756	15.1210756 ± 0.04	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	100	100 ± 0.0625	
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	40735	40735 ± 2	
VehDyn AutoCntrHiSpd M str.Timer1Thresh_mS_u16	58883	58883 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	800969984	800969984	
VehDyn AutoCntrHiSpd M str.Timer mS u32	800969984	800969984	
		0.000113091002 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011		-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 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	•
Make Daniel Asida Control - Control Marchael Elle Din Ton Library 100	5.85037804	5.85037804 ± 0.04	_
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	9.40841103	9.40841103 ± 0.0625	•
	9.40841103 35868 19303	9.40841103 ± 0.0625 35868 ± 2 19303 ± 2	•

Test Step 2.56 (Repeat Count = 1)





Name	Actual Value	Expected Value	Result
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	0.00106757099 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0.344399989	0.344399989	•
VehDyn_SLPHwPos_HwDeg_M_f32	175.432007	175.432007	~

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

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000579999993		
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		
_ : : -: -: -: -: -: -: -: -: -: -: -: -:	35319		
k_AutoCntrHiSpdTimer4_mS_u16			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	54.7292175		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	664.948303		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	14.762373		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	45.8468628		
k_AutoCntrLoSpdTimer1_mS_u16	1815		
k_AutoCntrLoSpdTimer2_mS_u16	21239		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.351000011		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	151.399002		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFA	ctive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	569984000		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.948975	138.948975 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	145.445251	145.445251 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.4402218	18.4402218 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	89.7410736	89.7410736 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	39187	39187 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	35319	35319 ± 2	•
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	569984000	569984000	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	569984000	569984000	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
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	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	2.04999995	2 ± 0.0625	
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	
	569984000	569984000	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841591973 ± 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	✓





Name	Actual Value	Expected Value	Result
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	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Input Value tgt_GetSystemTime_mS_u32_CurrentTime	
tgt_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Inst_Ap_VehDyn_2	
0.000600000028	
37.5070457	
0.0049999989	
0.00620000018	
449.560669	
7.49751949	
15.1709442	
51065	
0	
33.4789696	
684.185608	
12.1316996	
98.2219086	
3948	
41.9530144	
0.00499999989	
0.0350000001	
686.860413	
8.50215721	
108.267075	
19095	
14137	
0.0049999989	
0	
0.357600003	
1	
127.365997	
target VehDyn Init1 FaultBFActive Cnt Igc	
0	
3351443200	
Actual Value Expected Value	Resul
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	1
	-
	,
	,
3351443200 3351443200	
	0.0049999989 0.00620000018 449.560669 7.49751949 15.1709442 51065 0 33.4789696 684.185608 12.1316996 98.2219086 3948 41.9530144 0.00499999989 0.0350000001 686.860413 8.50215721 108.267075 19095 14137 0.00499999989 0 0.357600003 1 127.365997 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.79032707e-005	7.78999965e-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	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.357600003	0.357600003	~
VehDyn_SLPHwPos_HwDeg_M_f32	127.365997	127.365997	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
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_Cur	rentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000620000006		
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.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	103.333		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActiv	re_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
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	
VehDyn AutoCntrDetSpd M str.FiltPinTrq HwNm f32	4.16511393	4.16511393 ± 0.04	١,
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	46.1480331	46.1480331 ± 0.0625	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	19981	19981 ± 2	٠,
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	29986	29986 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1358028288	1358028288	٠,
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1358028288	1358028288	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 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	

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Name	Actual Value	Expected Value	Result
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	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.16583633e-005	8.16999964e-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	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.59 (Repeat Count = 1)			✓	
Name	Input Value			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	·		
Rte_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn 2			
VehDyn PinTrqSV M str.K Uls f32	0.000639999984			
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 AutoCntrHiSpdTimer1PinTrg 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 AutoCntrLoSpdTimer1PinTrq HwNm f32	15.5773945			
k AutoCntrLoSpdTimer1VehSpd kph f32	208.55397			
k AutoCntrLoSpdTimer1 mS u16	19617			
k_AutoCntrLoSpdTimer2_mS_u16	42138			
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.0250000004			
k SLPEnableBFCheck Cnt lgc	0			
k SLPHwAuthority Uls f32	0.370799989			
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1			
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	79.3000031			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_lgc			
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0			
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216			
Name	Actual Value Ex	pected Value	Result	
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32		9.889984 ± 0.2	*	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32		5.647476 ± 0.5	· ·	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32		1788235 ± 0.04		
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32		4300919 ± 0.0625		
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16		325 ± 2		
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16		347 ± 2		
		75593216		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32				

1975593216

0.000314116478

0.000841617584

1975593216

0.000314109988 ± 1.25663627181805E-06

0.000841591973 ± 1.25663627181805E-06

 $VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32$

VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	57.2952843	57.2952843 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	11.313797	11.313797 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.56739569	2.56739569 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	58.6891289	58.6891289 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20825	20825 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12456	12456 ± 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	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.074249	195.074249 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	208.55397	208.55397 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	15.5773945	15.5773945 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.5890503	45.5890503 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19617	19617 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	42138	42138 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1975593216	1975593216	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1975593216	1975593216	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.370799989	0.370799989	~
VehDyn_SLPHwPos_HwDeg_M_f32	79.3000031	79.3000031	-

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
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_Cur	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00066000002		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	39.9920425		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00019999995		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	595.803711		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	249.256897		
k_AutoCntrHiSpdTimer1_mS_u16	51762		
k_AutoCntrHiSpdTimer2_mS_u16	1234		
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		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	55.2669983		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActiv	e_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
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	





Name	Actual Value	Expected Value	Result
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	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-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	2.51000006e-006 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 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	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Name	Input Value			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_3	target Rte Inst Ap VehDyn 2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000679999997			
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_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989			
k_SLPEnableBFCheck_Cnt_lgc	0			
k_SLPHwAuthority_Uls_f32	0.384000003	0.384000003		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	31.2339993			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBF/	Active_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0			
tgt_GetSystemTime_mS_u32_CurrentTime	402713344			
Name	Actual Value	Expected Value	Resul	
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		





Name	Actual Value	Expected Value	Result
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	0.000778811984 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-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	0.00125584798 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	114.137932	114.137932 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	109.448532	109.448532 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.6375922	1.6375922 ± 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	0.000778811984 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.384000003	0.384000003	•
VehDyn_SLPHwPos_HwDeg_M_f32	31.2339993	31.2339993	~

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

Name	Input Value
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2
VehDyn PinTrgSV M str.K Uls f32	0.00069999975
k AutoCntrHiSpdCntrWindow HwDeg f32	99.1655273
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001 279.967194
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	
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
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.NVMStoredLastPosValid Cnt Igc	0
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	7.20100021
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_Igc
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1





Name	Input Value		
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	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 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.FiltPinTrq_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	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 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	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0	0	-
VehDyn SLPHwPos HwDeg M f32	0	0	-

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

Name	Input Value
	•
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000720000011
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	64.989418
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989
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
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	0.00499999989
k SLPEnableBFCheck Cnt Igc	0
k_SLPHwAuthority_Uls_f32	0.397199988
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-16.8320007		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActi	target_VehDyn_Init1_FaultBFActive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	target_Pim_MotPosReset	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	540.500305	540.500305 ± 0.2	-
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	47.8860626	47.8860626 ± 0.5	-
VehDyn AutoCntrDetSpd M str.FiltPinTrg 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	0.000113091002 ± 1.25663627181805E-06	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000432193279	0.000432189991 ± 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	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51000006e-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	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_SLPHwAuth_Uls_M_f32	0.397199988	0.397199988	•
VehDyn SLPHwPos HwDeg M f32	-16.8320007	-16.8320007	-

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

Test Step 2.64 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000739999989
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
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	23.8170319
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





Name	Input Value		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.403800011		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-40.8650017		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFAc	ctive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	2644937728		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	531.758972	531.758972 ± 0.2	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	245.5401	245.5401 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.92990065	6.92990065 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.8170319	23.8170319 ± 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	0.000314109988 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 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	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	289.349548	289.349548 ± 0.2	-
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	158.512024	158.512024 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.9216394	14.9216394 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.4496155	99.4496155 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33241	33241 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	55884	55884 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2644937728	2644937728	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2644937728	2644937728	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	-

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

Test Step 2.65 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000760000024
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000199999995
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

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VehDyn_Init1



Name	Input Value		
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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-64.8980026		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_lg	c	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
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	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.50339508e-006	2.51000006e-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	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.410400003	0.410400003	~
VehDyn_SLPHwPos_HwDeg_M_f32	-64.8980026	-64.8980026	~
	'		

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

Test Step 2.66 (Repeat Count = 1)	✓
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000780000002
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.3826141
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	683.818359
k_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	7.80758333
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.04245
k_AutoCntrHiSpdTimer4_mS_u16	7187





Name	Input Value		
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.NVMStoredLastPosValid Cnt Igc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-88.9309998		
target Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target_VehDyn_Init1_FaultBFActive_Cnt_Ig	С	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758333	7.80758333 ± 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.Timer1Thresi_niS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187	7187 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2059598336	2059598336	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2059598336	2059598336	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	
VehDyn AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298990 ± 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	~
	0.0764636993	0.0764636993 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	91.3826141	91.3826141 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	23210	23210 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	3238	3238 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16		2059598336	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2059598336		~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2059598336 6.53266907e-005	2059598336 6.53000025e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	228.670547	228.670547 ± 0.2	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	174.289764	174.289764 ± 0.5	~
	16.7742443	16.7742443 ± 0.04	
VehDyn_AutoCatrl oSpd_M_str.FiltPinTrq_HwNm_f32		53.7309608 ± 0.0625	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53.7309608	11413 ± 2	
	11413 48604	48604 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16			
VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32	2059598336	2059598336	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str_PelHyPosEilt1SV_HyDog_str_K_Llls_f32	2059598336	2059598336	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011 2.50339508e-006	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32		2.51000006e-006 ± 1.25663627181805E-06	~
VehDyn_SLPHwRoth_Uls_M_f32	0	0	
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	
Test Sten Call Trace			

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

Nome	Innut Value	
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00079999998	
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	





Name	Input Value		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	400.168243		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.648386		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.4615631		
k_AutoCntrHiSpdTimer4_mS_u16	37023		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	62.1222305		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009		
k AutoCntrLoSpdFilt2Kn Hz f32	0.0250000004		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	443.858398		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.18688083		
k AutoCntrLoSpdTimer1VehSpd kph f32	226.96962		
k AutoCntrLoSpdTimer1 mS u16	54120		
k AutoCntrLoSpdTimer2 mS u16	46193		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.100000001		
k SLPEnableBFCheck Cnt lgc	0		
k SLPHwAuthority Uls f32	0.423599988		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-112.963997		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFAc	tive Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	o_on_jgo	
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	800969984		
		Formando d Walter	D14
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.168243	400.168243 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.4615631	17.4615631 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.648386	19.648386 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.39439726	5.39439726 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	37023	37023 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	800969984	800969984	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	800969984	800969984	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757099 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 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	800969984	800969984	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	800969984	800969984	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	443.858398	443.858398 ± 0.2	-
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	226.96962	226.96962 ± 0.5	•
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	3.18688083	3.18688083 ± 0.04	-
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	62.1222305	62.1222305 ± 0.0625	•
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	54120	54120 ± 2	-
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	46193	46193 ± 2	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	800969984	800969984	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	800969984	800969984	•
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00106757879	0.00106757099 ± 1.25663627181805E-06	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0.423599988	0.00123364796 ± 1.23003027181803E-00	
VehDyn_SLPHwPos_HwDeg_M_f32	-112.963997	-112.963997	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000820000016	
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	





Name	Input Value		
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_AutoCntrLoSpdTimer1VehSpd_kph_f32	94.8519287		
k_AutoCntrLoSpdTimer1_mS_u16	19115		
k_AutoCntrLoSpdTimer2_mS_u16	24462		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.000199999995		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.430200011		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-136.996994		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_	lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	569984000		
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	569984000	569984000	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	569984000	569984000	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76701355e-005	3.76999997e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005	8.80000007e-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	569984000	569984000	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	569984000	569984000	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 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	569984000	569984000	· ·
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	569984000	569984000	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76701355e-005	3.76999997e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005	8.80000007e-005 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	
VehDyn_SLPHwDog_HwDog_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	

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

Test Step 2.69 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51000006e-006
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664





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Name	Input Value		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	575.91394		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.9376688		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	204.072876		
k_AutoCntrHiSpdTimer1_mS_u16	5222		
k_AutoCntrHiSpdTimer2_mS_u16	4240		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	93.8445969		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	8.16609764		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	68		
k_AutoCntrHiSpdTimer4_mS_u16	31042		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.9834061		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.818787		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.82910013		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	29.3435669		
k_AutoCntrLoSpdTimer1_mS_u16	25532		
k_AutoCntrLoSpdTimer2_mS_u16	27401		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.436800003		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-161.029999		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActiv	re_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2242866176		
Name	Actual Value	Expected Value	Resu
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	

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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	2242866176	2242866176	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	~
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4240	4240 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2242866176	2242866176	~
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2242866176	2242866176	~
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	✓
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.818787	195.818787 ± 0.2	~
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	✓
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	~
/ehDyn_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	✓
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.436800003	0.436800003	~
VehDyn_SLPHwPos_HwDeg_M_f32	-161.029999	-161.029999	~

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





Test Step 2.70 (Repeat Count = 1)	Input Value		
Name CetSystemTime, mS_u22/CurrentTime\	Input Value	rentTime	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curr	entrime	
Rte_Inst_Ap_VehDyn VehDyn_PinTrqSV_M_str.K_Uls_f32	target_Rte_Inst_Ap_VehDyn_2 0.00125584798		
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_UIs_f32	0.443399996		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	-185.063004		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32		Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_VehDyn_Init1_FaultBFActive target_Pim_MotPosReset	e_Crit_igc	
target_vehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	2269150976		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666	119.134666 ± 0.2	itesui
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	•
	111		
VehDvn AutoCntrDetSpd M str.Timer2Thresh mS u16	51145	51145 ± 2	
· - · ·	51145 2269150976	51145 ± 2 2269150976	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32			•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2269150976 2269150976	2269150976 2269150976	•
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	2269150976 2269150976 0.000113070011	2269150976 2269150976 0.000113091002 ± 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	2269150976 2269150976 0.000113070011 0.000314116478	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 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	2269150976 2269150976 0.000113070011 0.000314116478 460.901886	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 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	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04	
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	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625	
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	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2	
VehDyn_AutoCntrDetSpd_M_str.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	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 2269150976 2269150976	
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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 2269150976 0.000113070011	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 2269150976 2269150976 0.000113091002 ± 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.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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 2269150976 0.000113070011 2.51531601e-005	$2269150976\\ 2269150976\\ 0.000113091002 \pm 1.25663627181805E-06\\ 0.000314109988 \pm 1.25663627181805E-06\\ 460.901886 \pm 0.2\\ 92.026535 \pm 0.5\\ 8.00629902 \pm 0.04\\ 7.2738266 \pm 0.0625\\ 16931 \pm 2\\ 4574 \pm 2\\ 2269150976\\ 2269150976\\ 0.000113091002 \pm 1.25663627181805E-06\\ 2.51000001e-005 \pm 1.25663627181805E-06$	
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.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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 2269150976 0.000113070011 2.51531601e-005 581.690918	$\begin{array}{c} 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 0.000314109988 \pm 1.25663627181805E-06 \\ 460.901886 \pm 0.2 \\ 92.026535 \pm 0.5 \\ 8.00629902 \pm 0.04 \\ 7.2738266 \pm 0.0625 \\ 16931 \pm 2 \\ 4574 \pm 2 \\ 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 2.51000001e-005 \pm 1.25663627181805E-06 \\ 581.690918 \pm 0.2 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 2269150976 0.000113070011 2.51531601e-005 581.690918 236.401962	$\begin{array}{c} 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 0.000314109988 \pm 1.25663627181805E-06 \\ 460.901886 \pm 0.2 \\ 92.026535 \pm 0.5 \\ 8.00629902 \pm 0.04 \\ 7.2738266 \pm 0.0625 \\ 16931 \pm 2 \\ 4574 \pm 2 \\ 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 2.51000001e-005 \pm 1.25663627181805E-06 \\ 581.690918 \pm 0.2 \\ 236.401962 \pm 0.5 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiilt2SV_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.FiltPinTrq_HwNm_f32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 2269150976 0.000113070011 2.51531601e-005 581.690918 236.401962 6.79465103	$\begin{array}{c} 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 0.000314109988 \pm 1.25663627181805E-06 \\ 460.901886 \pm 0.2 \\ 92.026535 \pm 0.5 \\ 8.00629902 \pm 0.04 \\ 7.2738266 \pm 0.0625 \\ 16931 \pm 2 \\ 4574 \pm 2 \\ 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 2.51000001e-005 \pm 1.25663627181805E-06 \\ 581.690918 \pm 0.2 \\ 236.401962 \pm 0.5 \\ 6.79465103 \pm 0.04 \\ \end{array}$	
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.FiltPinTrq_HwNm_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.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.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.CntrWindow_HwDeg_f32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 2269150976 0.000113070011 2.51531601e-005 581.690918 236.401962 6.79465103 65.2026672	$\begin{array}{c} 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 0.000314109988 \pm 1.25663627181805E-06 \\ 460.901886 \pm 0.2 \\ 92.026535 \pm 0.5 \\ 8.00629902 \pm 0.04 \\ 7.2738266 \pm 0.0625 \\ 16931 \pm 2 \\ 4574 \pm 2 \\ 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 2.51000001e-005 \pm 1.25663627181805E-06 \\ 581.690918 \pm 0.2 \\ 236.401962 \pm 0.5 \\ 6.79465103 \pm 0.04 \\ 65.2026672 \pm 0.0625 \\ \end{array}$	
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_mrs_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.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.Timer1Thresh_mS_u16	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 0.000113070011 2.51531601e-005 581.690918 236.401962 6.79465103 65.2026672 46296	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 2269150976 0.000113091002 ± 1.25663627181805E-06 2.51000001e-005 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2	
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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.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.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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 0.000113070011 2.51531601e-005 581.690918 236.401962 6.79465103 65.2026672 46296 9393 2269150976 2269150976	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 2269150976 0.000113091002 ± 1.25663627181805E-06 2.51000001e-005 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 2269150976	
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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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Witvel_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.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 0.000113070011 2.51531601e-005 581.690918 236.401962 6.79465103 65.2026672 46296 9393 2269150976 0.000113070011 0.000314116478	$\begin{array}{c} 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 0.000314109988 \pm 1.25663627181805E-06 \\ 460.901886 \pm 0.2 \\ 92.026535 \pm 0.5 \\ 8.00629902 \pm 0.04 \\ 7.2738266 \pm 0.0625 \\ 16931 \pm 2 \\ 4574 \pm 2 \\ 2269150976 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 2.51000001e-005 \pm 1.25663627181805E-06 \\ 581.690918 \pm 0.2 \\ 236.401962 \pm 0.5 \\ 6.79465103 \pm 0.04 \\ 65.2026672 \pm 0.0625 \\ 46296 \pm 2 \\ 9393 \pm 2 \\ 2269150976 \\ 0.000113091002 \pm 1.25663627181805E-06 \\ 0.000314109988 \pm 1.25663627181805E-06 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetPel_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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2269150976 2269150976 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 2269150976 2269150976 0.000113070011 2.51531601e-005 581.690918 236.401962 6.79465103 65.2026672 46296 9393 2269150976 2269150976 0.000113070011	2269150976 2269150976 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04 7.2738266 ± 0.0625 16931 ± 2 4574 ± 2 2269150976 0.000113091002 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 2269150976 0.000113091002 ± 1.25663627181805E-06	



Test Step Call Trace			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		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Current	tTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.9999975e-006		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.5981827		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	160.17424		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.19048309		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	28.4624329		
k_AutoCntrHiSpdTimer1_mS_u16	20459		
k_AutoCntrHiSpdTimer2_mS_u16	4908		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	53.1939697		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	201.577209		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	194.557587		
k_AutoCntrHiSpdTimer4_mS_u16	55301		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	52.1249008		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	578.046082		
k_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_UIs_f32	0.449999988		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-209.095993		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_0	Ont lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	3533260288		
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	201.577209	201.577209 ± 0.2	Resu
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	194.557587	194.557587 ± 0.5	
	20	20 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	
	E2 1020607	E2 1020607 ± 0 0625	
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.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	20459 55301	20459 ± 2 55301 ± 2	,
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	20459 55301 3533260288	20459 ± 2 55301 ± 2 3533260288	•
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	20459 55301 3533260288 3533260288	20459 ± 2 55301 ± 2 3533260288 3533260288	•
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	20459 55301 3533260288 3533260288 0.000314116478	20459 ± 2 55301 ± 2 3533260288 3533260288 0.000314109988 ± 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	20459 55301 3533260288 3533260288 0.000314116478 0.000791370869	20459 ± 2 55301 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 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	20459 55301 3533260288 3533260288 0.000314116478 0.000791370869 160.17424	20459 ± 2 55301 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 1.25663627181805E-06 160.17424 ± 0.2	•
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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	20459 55301 3533260288 3533260288 0.000314116478 0.000791370869 160.17424 28.4624329	20459 ± 2 55301 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 1.25663627181805E-06 160.17424 ± 0.2 28.4624329 ± 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_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	20459 55301 3533260288 3533260288 0.000314116478 0.000791370869 160.17424 28.4624329 4.19048309	20459 ± 2 55301 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 1.25663627181805E-06 160.17424 ± 0.2 28.4624329 ± 0.5 4.19048309 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	20459 55301 3533260288 3533260288 0.000314116478 0.000791370869 160.17424 28.4624329 4.19048309 91.5981827	20459 ± 2 55301 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 0.00791368017 ± 1.25663627181805E-06 160.17424 ± 0.2 28.4624329 ± 0.5 4.19048309 ± 0.04 91.5981827 ± 0.0625	
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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.FiitIPinTrq_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_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20459 55301 3533260288 3533260288 0.000314116478 0.000791370869 160.17424 28.4624329 4.19048309 91.5981827 20459 4908 3533260288 3533260288 0.000314116478 6.28232956e-005 578.046082 158.773651 16.1874886 52.1249008 21486 38584	20459 ± 2 55301 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 1.25663627181805E-06 160.17424 ± 0.2 28.4624329 ± 0.5 4.19048309 ± 0.04 91.5981827 ± 0.0625 20459 ± 2 4908 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 578.046082 ± 0.2 158.773651 ± 0.5 16.1874886 ± 0.04 52.1249008 ± 0.0625 21486 ± 2 38584 ± 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.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.FiitIPinTrq_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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	20459 55301 3533260288 3533260288 0.000314116478 0.000791370869 160.17424 28.4624329 4.19048309 91.5981827 20459 4908 3533260288 0.000314116478 6.28232956e-005 578.046082 158.773651 16.1874886 52.1249008 21486 38584 3533260288	20459 ± 2 55301 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 1.25663627181805E-06 160.17424 ± 0.2 28.4624329 ± 0.5 4.19048309 ± 0.04 91.5981827 ± 0.0625 20459 ± 2 4908 ± 2 3533260288 3533260288 0.000314109988 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 578.046082 ± 0.2 158.773651 ± 0.5 16.1874886 ± 0.04 52.1249008 ± 0.0625 21486 ± 2 38584 ± 2 3533260288	

2014-09-19, 20:06:17+0530



VehDyn_Init1

Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.44999988	0.449999988	•
VehDvn SLPHwPos HwDea M f32	-209.095993	-209.095993	_

Test Step Call Trace			✓	
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		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000639999984		
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 AutoCntrHiSpdTimer1PinTrg 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		
<pre><_dutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32</pre>	459.889984		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.1788235		
<pre><_autoCntrHiSpdTimer4VehSpd_kph_f32</pre>	195.647476		
c_number4_ms_u16	47347		
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	45.5890503		
< AutoCntrLoSpdFilt1Kn Hz f32	0.0250000004		
< AutoCntrLoSpdFilt2Kn Hz f32	0.0670000017		
AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	195.074249		
AutoCntrLoSpdTimer1PinTrg HwNm f32	15.5773945		
AutoCntrLoSpdTimer1VehSpd kph f32	208.55397		
c_autoCntrLoSpdTimer1_mS_u16	19617		
c_autoCntrLoSpdTimer2_mS_u16	42138		
<pre></pre>	0.0250000004		
SLPEnableBFCheck Cnt Igc	1		
SLPHwAuthority Uls f32	0.45660001		
	0		
aruer Filli Morposkeserinyingrolegrastposyalig Cnt Igc	10		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-233.128998		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	-233.128998		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_Igc target_Pim_MotPosReset		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0	red Value	Resi
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_Igc target_Pim_MotPosReset 0 0 Actual Value Expect	red Value	Resi
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_Igc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984	984 ± 0.2	Resi
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.6474	984 ± 0.2 476 ± 0.5	Resi
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 18.1788	984 ± 0.2 476 ± 0.5 235 ± 0.04	Resi
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name /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	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625	Res
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime Vame 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	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ±	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2	Res
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime Name /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	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ± 47347 47347 47347 ±	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2	Resi
carget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 carget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc carget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset carget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value cgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ± 47347 47347 ± 0	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2	Res
carget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 carget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc carget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset carget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value cgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ± 47347 47347 ± 0 0 0 0	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2	Resi
carget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 carget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc carget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset carget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value cgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ± 47347 47347 ± 0 0 0 0 0.000314116478 0.00031	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06	Resi
carget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 carget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc carget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset carget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value cgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ± 47347 47347 ± 0 0 0 0 0.000314116478 0.00031- 0.000841617584 0.00084	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06	Resi
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ± 47347 47347 ± 0 0 0 0 0.000314116478 0.00031 0.000841617584 0.00084 57.2952843 57.2952	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2	Resi
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647- 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ± 47347 47347 ± 0 0 0 0 0.000314116478 0.00031- 0.000841617584 0.00084 57.2952843 57.2952 11.313797 11.3137	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5	Resi
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 Actual Value 459.889984 195.647476 18.1788235 18.1788235 91.4300919 20825 47347 0 0 0 0 0.000314116478 0.000841617584 57.2952843 17.313797 11.31379 2.56739569 20825 2082	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04	Res
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 ± 47347 47347 ± 0 0 0 0 0 0.000314116478 0.00031 0.000841617584 0.00084 57.2952843 57.2952 11.313797 11.31379 2.56739569 2.56739 58.6891289 58.6891	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625	Res
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name /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.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.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NetPlotSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.PiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 18.1788 91.4300919 20825 47347 0 0 0 0 0.000314116478 0.00031 0.000841617584 57.2952843 17.2952843 18.1787 2.56739569 2.56739 58.6891289 20825 20825 ± 20	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625 2	Res
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime Name /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.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_Tns_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NetYel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.PitPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_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	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 18.1788 91.4300919 20825 47347 0 0 0 0 0.000314116478 0.00031 0.000841617584 57.2952843 17.2952843 17.3952 11.313797 11.31377 2.56739569 2.56739 58.6891289 20825 12456 12456	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625 2	Res
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime Name /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.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u20 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_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.NehPosf_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.SitPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.SitPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_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.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value 459.889984 459.889984 195.647476 18.1788235 91.4300919 20825 20825 47347 0 0 0 0 0.000314116478 0.00034 57.2952843 57.2952 11.313797 11.3137 2.56739569 2.56739 58.6891289 20825 12456 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625 2	Res
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arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc arget_Rte_inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value gt_GetSystemTime_mS_u32_CurrentTime Name /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.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.RelHwPosFiltSV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.K_Uls_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.Timer1Thresh_mS_u16 /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.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_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	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 4109988 ± 1.25663627181805E-06	Res
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset arget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 4109988 ± 1.25663627181805E-06 249 ± 0.2	Resi
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.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.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.TitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TitInter1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_HwNm_g32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_hwS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTrq_hwS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCntrHiSpd_M_str.TittPinTq_mS_u32 VehDyn_AutoCn	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 4109988 ± 1.25663627181805E-06 249 ± 0.2 97 ± 0.5	Resi
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime 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.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.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_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 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCn	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value Expect 459.889984 459.889 195.647476 195.647 18.1788235 18.1788 91.4300919 91.4300 20825 20825 20825 ± 47347 47347 47347 ± 0 0 0 0 .000314116478 0.00034 57.2952843 57.2952 11.313797 11.31379 2.56739569 58.6891289 58.6891 20825 20825 ± 12456 12456 ± 0 0 0 0 0.000314116478 0.00031 0.000314116478 0.00031 0.000314116478 0.00031 0.000314116478 0.00031 0.000314116478 0.00031 0.000314116478 0.00031 195.074249 195.074 208.55397 208.553	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 4109988 ± 1.25663627181805E-06 249 ± 0.2 97 ± 0.5 945 ± 0.04	Resi
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrDetSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_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.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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_Cnt_lgc target_Pim_MotPosReset 0 0 Actual Value ### Expect 459.889984 ### 459.889984 ### 459.889984 ### 459.889984 ### 459.889984 ### 459.889984 ### 459.889984 ### 459.889984 ### 459.8899 ### 459.8899 ### 195.647476 ### 18.1788235 ### 18.1788235 ### 18.1788235 ### 20825 ### 47347 ### 47347 ### 47347 ### 0 0 0 0 0.000314116478 0.00031 ### 0.00031 ### 13.1379 ### 2.56739569 ### 58.6891289 ### 208255 ### 20825 ### 208	984 ± 0.2 476 ± 0.5 235 ± 0.04 919 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 1591973 ± 1.25663627181805E-06 843 ± 0.2 97 ± 0.5 569 ± 0.04 289 ± 0.0625 2 2 4109988 ± 1.25663627181805E-06 4109988 ± 1.25663627181805E-06 249 ± 0.2 97 ± 0.5 945 ± 0.04 503 ± 0.04 503 ± 0.0625	Resi

Test Step 2.73 (Repeat Count = 1)





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.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841591973 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDvn SLPHwPos HwDea M f32	0	0	-

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

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00066000002		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	39.9920425		
k AutoCntrHiSpdFilt1Kn Hz f32	0.00019999995		
k AutoCntrHiSpdFilt2Kn Hz f32	0.0350000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	595.803711		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	249.256897		
k AutoCntrHiSpdTimer1 mS u16	51762		
k_AutoCntrHiSpdTimer2_mS_u16	1234		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	52.9036674		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	637.189331		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.48333788		
k AutoCntrHiSpdTimer4VehSpd kph f32	60.9433594		
_ : : -: -: -: -: -: -: -: -: -: -: -: -:	35091		
k_AutoCntrHiSpdTimer4_mS_u16			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	70.5879364		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCotrl oSpdFilt2Kn_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_UIs_f32	0.463200003		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-257.161987		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFAc	ctive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295		
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	4294967295	4294967295	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-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.FiltPinTrg 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.Timer1Thresh_mS_u16	1234	1234 ± 2	
	4294967295	4294967295	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32		4294967295	
VehDyn_AutoCntrl liSpd_M_str.Timer2_mS_u32	4294967295		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	¥
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	112.469505	112.469505 ± 0.2	V
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	138.473877	138.473877 ± 0.5	√

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Name	Actual Value	Expected Value	Result
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	4294967295	4294967295	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53999993e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.463200003	0.463200003	~
VehDyn_SLPHwPos_HwDeg_M_f32	-257.161987	-257.161987	~

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

Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime	
Rte_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn 2		
VehDyn PinTrqSV M str.K Uls f32	0.000679999997		
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 AutoCntrHiSpdTimer1PinTrg HwNm f32	16.8332462		
	3.91197205		
<_AutoCntrHiSpdTimer1VehSpd_kph_f32 < AutoCntrHiSpdTimer1 mS u16	49799		
<_AutoCntrHiSpdTimer2_mS_u16	1568		
x_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	46.9611549		
x_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	190.477554		
<_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.47036648		
x_AutoCntrHiSpdTimer4VehSpd_kph_f32	178.790085		
C_AutoCntrHiSpdTimer4_mS_u16	53632		
x_AutoCntrLoSpdCntrWindow_HwDeg_f32	50.4249611		
x_AutoCntrLoSpdFilt1Kn_Hz_f32	0.061999999		
C_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00779999979		
x_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	114.137932		
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	1.6375922		
_AutoCntrLoSpdTimer1VehSpd_kph_f32	109.448532		
<_AutoCntrLoSpdTimer1_mS_u16	37638		
C_AutoCntrLoSpdTimer2_mS_u16	34521		
AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
<pre>c_SLPEnableBFCheck_Cnt_lgc</pre>	1		
_SLPHwAuthority_Uls_f32	0.469799995		
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-281.195007		
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActi	ve_Cnt_lgc	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
gt_GetSystemTime_mS_u32_CurrentTime	1720406272		
Name	Actual Value	Expected Value	R
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	190.477554	190.477554 ± 0.2	
	178.790085	178.790085 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	6.47036648	6.47036648 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32		46.9611549 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.9611549		
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49799	49799 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53632	53632 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811984 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-005 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	31.3933392	31.3933392 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	3.91197205	3.91197205 ± 0.5	
/ehDyn_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	
	4700400070	1700406070	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272	1720406272	

1720406272

1720406272

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	114.137932	114.137932 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	109.448532	109.448532 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.6375922	1.6375922 ± 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	1720406272	1720406272	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1720406272	1720406272	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811984 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000730000029		
k AutoCntrHiSpdCntrWindow HwDeg f32	99.1655273		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004		
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		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	453.257568		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	8.62326527		
k AutoCntrLoSpdTimer1VehSpd kph f32	130.321442		
k AutoCntrLoSpdTimer1 mS u16	57817		
k_AutoCntrLoSpdTimer2_mS_u16	34611		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.00499999989		
k SLPEnableBFCheck Cnt lgc	0		
k SLPHwAuthority Uls f32	0.476399988		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-305.227997		
target Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActive Cnt Igc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	3494315776		
Name	Actual Value Expected Value	Resul	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	179.741653 179.741653 ± 0.2	110001	
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 19.0425		
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	3494315776 3494315776		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3494315776 3494315776		
VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	-	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	279.967194 279.967194 ± 0.2	JO O	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	279.967194 ± 0.2 86.4936218 86.4936218 ± 0.5		
VOIDYII AUDOINI IIOPU IVI SU. VEIIOPU KPII IOZ	00.4930Z10 I U.3		

99.1655273

VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32

99.1655273 ± 0.0625

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Name	Actual Value	Expected Value	Result
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	3494315776	3494315776	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3494315776	3494315776	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 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	3494315776	3494315776	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.476399988	0.476399988	~
VehDyn_SLPHwPos_HwDeg_M_f32	-305.227997	-305.227997	~

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

Test Step 2.76 (Repeat Count = 1)			✓	
Name	Input Value			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000769999984			
k AutoCntrHiSpdCntrWindow HwDeg f32	64.989418			
k AutoCntrHiSpdFilt1Kn Hz f32	0.00520000001			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001			
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 AutoCntrHiSpdTimer4PinTrg 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 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	0.00520000001			
k SLPEnableBFCheck Cnt lgc	1			
k SLPHwAuthority Uls f32	0.48300001			
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0			
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-329.260986			
target Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActive	Cnt lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target VehDyn Init1 FaultBFActive Cnt Igc.value	1			
tgt_GetSystemTime_mS_u32_CurrentTime	463842816			
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.FiltPinTrg 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	463842816	463842816	-	
			_	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	463842816	463842816	₩	

0.000113070011

0.000432193279

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 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32$

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$

0.000113091002 ± 1.25663627181805E-06

0.000432189991 ± 1.25663627181805E-06





Name	Actual Value	Expected Value	Result
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	463842816	463842816	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	463842816	463842816	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	s 🗸
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 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	463842816	463842816	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	463842816	463842816	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	S
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
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_Cu	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00080999998			
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	87.8902435			
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0759999976			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009			
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	23.8170319			
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	0.0759999976			
k_SLPEnableBFCheck_Cnt_lgc	0			
k_SLPHwAuthority_Uls_f32	0.489600003			
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-353.294006			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActi	ve_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0			
tgt_GetSystemTime_mS_u32_CurrentTime	1759885568			
Name	Actual Value	Expected Value	Resul	
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	23.8170319	23.8170319 ± 0.0625		
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	42690	42690 ± 2	•	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	34733	34733 ± 2		





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 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	1759885568	1759885568	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000954568386	0.000954588002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-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	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000954568386	0.000954588002 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Name	Input Value		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Cur	rentTime	
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2		
VehDyn PinTrgSV M str.K Uls f32	0.000850000011		
k AutoCntrHiSpdCntrWindow HwDeg f32	24.5077915		
k AutoCntrHiSpdFilt1Kn Hz f32	0.0225000009		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00499999989		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	416.42218		
k AutoCntrHiSpdTimer1PinTrg 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 AutoCntrHiSpdTimer4PinTrg 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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-377.326996		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActiv	re_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408		
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	





Name	Actual Value	Expected Value	Result
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	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	0.000282702997 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00028270483	0.000282702997 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000890000025
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	7.80758333
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.NVMStoredLastPosValid_Cnt_lgc	1
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-401.359985
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1





Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208		
Name	Actual Value	Expected Value	Resul
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	7.80758333	7.80758333 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187	7187 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2127166208	2127166208	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 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	0.000791368017 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000616788864	0.000616818026 ± 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	0.000403298996 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0.502799988	0.502799988	
VehDyn SLPHwPos HwDeg M f32	-401.359985	-401.359985	

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00092999998
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.NVMStoredLastPosValid_Cnt_lgc	1





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-425.393005		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cr	t_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	target_Pim_MotPosReset	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	400.168243	400.168243 ± 0.2	-
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	17.4615631	17.4615631 ± 0.5	•
VehDyn AutoCntrDetSpd M str.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_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	0.00106757099 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 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	2.51000001e-005 ± 1.25663627181805E-06	-
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000113070011	0.000113091002 ± 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	0.00106757099 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn SLPHwPos HwDeg M f32	0	0	-

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

Test Step 2.81 (Repeat Count = 1)	🗸
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000159999996
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





Name	Input Value		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-641.690002		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFAc	ctive_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	540.500305	540.500305 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	47.8860626	47.8860626 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.40114307	9.40114307 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.9792366	56.9792366 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	50710	50710 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41475	41475 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4164171008	4164171008	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4164171008	4164171008	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 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	0.000791368017 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-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	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189991 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	-641.690002	-641.690002	-

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000180000003
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	87.8902435
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0049999989
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	23.8170319
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

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Input Value



Name



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		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-665.723022		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target VehDyn Init1 FaultBFActive Cnt Ig	ac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
target VehDyn Init1 FaultBFActive Cnt Igc.value	1		
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.FiltPinTrg HwNm f32	6.92990065	6.92990065 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.8170319	23.8170319 ± 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	0.000314109988 ± 1.25663627181805E-06	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 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.FiltPinTrg 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	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000123143196	0.000123143007 ± 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.Timer1Thresh_mS_u16	55884	55884 ± 2	-
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	437658624	437658624	
			-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	437658624	437658624 0.000314109988 ± 1.25663627181805E-06	
	0.000314116478		~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	Ž
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06 0	-
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0	0	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.00019999995
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00989999995
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	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





Name	Input Value		
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 AutoCntrLoSpdTimer1PinTrg 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_UIs_f32	0.582000017		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-689.755981		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target VehDyn Init1 FaultBFActive Cnt Ig	IC	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
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	- Nosuli
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	
	51.7886963	51.7886963 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	30272	31.7886963 ± 0.0625 30272 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	3628	3628 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3941357312	3941357312	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32			
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3941357312 0.000791370869	3941357312 0.000791368017 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32			
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	416.42218	416.42218 ± 0.2 168.185226 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	8.68037319 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68037319		
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	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	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000124394894	0.000124398997 ± 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	0.000791368017 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.582000017	0.582000017	•
	-689.755981	-689.755981	

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

Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000220000002	
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	





Name	Input Value		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	108.829964		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.80758333		
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	1		
k_SLPHwAuthority_Uls_f32	0.58859998		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive	e_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	~
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	169.04245	169.04245 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758333	7.80758333 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	·
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7187	7187 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3304439296	3304439296	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrBetSpd_M_str.MtrVel_MtrRadpS_f32	683.818359	683.818359 ± 0.2	
	34.4863586	34.4863586 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.0764636993	0.0764636993 ± 0.04	
	91.3826141		-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	23210	91.3826141 ± 0.0625 23210 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16		3238 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3238		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3304439296	3304439296	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.42349434e-005	9.4199997e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	228.670547	228.670547 ± 0.2	V
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	V
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	11413	11413 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	48604	48604 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	_
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000239999994	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.5132141	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0149999997	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	39.0381813	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.52265358	





Name	Input Value		
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 AutoCntrHiSpdTimer4PinTrg 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	0		
k_SLPHwAuthority_UIs_f32	0.595200002		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target VehDyn Init1 FaultBFActive Cnt Igo		
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
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	rtoouit
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.4615631	17.4615631 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.648386	19.648386 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.39439726	5.39439726 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	37023	37023 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2167769344	2167769344	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757099 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	V
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_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3572	3572 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2167769344	2167769344	✓
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188469887	0.000188478007 ± 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	2167769344	2167769344	
VehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2167769344	2167769344	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00106757879	0.00106757099 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	
VehDyn SLPHwAuth Uls M f32	0.595200002	0.595200002	~
VehDyn_SLPHwPos_HwDeg_M_f32	1600	1600	-
VOID JII_OE/ TIWI OO_TIWD OO_IVI_IOZ	1000	1000	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000260000001	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.04372168	





Name	Input Value		
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		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	55.9956245		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	84.2065811		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.3837309		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	119.126099		
k_AutoCntrHiSpdTimer4_mS_u16	32226		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	9.00450611		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00300000003		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00700000022		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	145.500351		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.452816		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	94.8519287		
k_AutoCntrLoSpdTimer1_mS_u16	19115		
k_AutoCntrLoSpdTimer2_mS_u16	24462		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.601800025		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActiv	e_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
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	•

tgt_GetGystem file_inG_u32_Current file	37 14 137 304		
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	3.76999997e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005	8.80000007e-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	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	3.76999997e-005 ± 1.25663627181805E-06	>
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005	8.80000007e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

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





Test Step 2.87 (Repeat Count = 1)	Input Value		
Name	Input Value	wordTime.	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32 k_AutoCntrHiSpdCntrWindow_HwDeq_f32	0.000280000007 32.0222664		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012		
	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	575.91394		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.9376688		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	204.072876		
k_AutoCntrHiSpdTimer1_mS_u16	5222		
k_AutoCntrHiSpdTimer2_mS_u16	4240		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	93.8445969		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	8.16609764		
k AutoCntrHiSpdTimer4VehSpd kph f32	68		
k AutoCntrHiSpdTimer4 mS u16	31042		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.9834061		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989		
k AutoCntrLoSpdFilt2Kn Hz f32	0.00499999989		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	195.818787		
k 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.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	785.888		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActiv	ve Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	0	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
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			•
v choyn_natoontroctopu_w_str. hinciz_mo_usz	3323480832	3323480832	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3323480832 6.28232956e-005	3323480832 6.2799998e-005 ± 1.25663627181805E-06	
			~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 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 6.28232956e-005 575.91394	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2	0
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	6.28232956e-005 6.28232956e-005 575.91394 204.072876	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5	0
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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2	0
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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2	0
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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832	0
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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 3323480832	0
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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 3323480832 0.000432189991 ± 1.25663627181805E-06	0
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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279 0.000314116478	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 3323480832 0.000432189991 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06	0
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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279 0.000314116478 195.818787	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 3323480832 0.000432189991 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 195.818787 ± 0.2	0
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 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279 0.000314116478 195.818787 29.3435669	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 3323480832 0.000432189991 ± 1.25663627181805E-06 0.00314109988 ± 1.25663627181805E-06 195.818787 ± 0.2 29.3435669 ± 0.5	0
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_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279 0.000314116478 195.818787 29.3435669 7.82910013	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 3323480832 0.000432189991 ± 1.25663627181805E-06 0.00314109988 ± 1.25663627181805E-06 195.818787 ± 0.2 29.3435669 ± 0.5 7.82910013 ± 0.04	0
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_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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279 0.000314116478 195.818787 29.3435669 7.82910013 95.9834061	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 3323480832 0.000432189991 ± 1.25663627181805E-06 0.00314109988 ± 1.25663627181805E-06 195.818787 ± 0.2 29.3435669 ± 0.5 7.82910013 ± 0.04 95.9834061 ± 0.0625	0
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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_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u22 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_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	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279 0.000314116478 195.818787 29.3435669 7.82910013 95.9834061 25532 27401 3323480832	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 0.00432189991 ± 1.25663627181805E-06 0.00314109988 ± 1.25663627181805E-06 195.818787 ± 0.2 29.3435669 ± 0.5 7.82910013 ± 0.04 95.9834061 ± 0.0625 25532 ± 2 27401 ± 2 3323480832	
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.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.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_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279 0.000314116478 195.818787 29.3435669 7.82910013 95.9834061 25532 27401 3323480832 3323480832	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 0.00432189991 ± 1.25663627181805E-06 0.00314109988 ± 1.25663627181805E-06 195.818787 ± 0.2 29.3435669 ± 0.5 7.82910013 ± 0.04 95.9834061 ± 0.0625 25532 ± 2 27401 ± 2 3323480832 3323480832 3323480832 3323480832 3323480832	
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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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 VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 3323480832 0.000432193279 0.000314116478 195.818787 29.3435669 7.82910013 95.9834061 25532 27401 3323480832 3323480832 3323480832 6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 0.000432189991 ± 1.25663627181805E-06 0.00314109988 ± 1.25663627181805E-06 195.818787 ± 0.2 29.3435669 ± 0.5 7.82910013 ± 0.04 95.9834061 ± 0.0625 25532 ± 2 27401 ± 2 3323480832 3323480832 3323480832 3323480832 3323480832 6.2799998e-005 ± 1.25663627181805E-06	
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.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.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_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.28232956e-005 575.91394 204.072876 8.9376688 32.0222664 5222 4240 3323480832 0.000432193279 0.000314116478 195.818787 29.3435669 7.82910013 95.9834061 25532 27401 3323480832 3323480832 3323480832 3323480832 6.28232956e-005 6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06 575.91394 ± 0.2 204.072876 ± 0.5 8.9376688 ± 0.04 32.0222664 ± 0.0625 5222 ± 2 4240 ± 2 3323480832 0.000432189991 ± 1.25663627181805E-06 0.00314109988 ± 1.25663627181805E-06 195.818787 ± 0.2 29.3435669 ± 0.5 7.82910013 ± 0.04 95.9834061 ± 0.0625 25532 ± 2 27401 ± 2 3323480832 3323480832 3323480832 6.2799998e-005 ± 1.25663627181805E-06 6.2799998e-005 ± 1.25663627181805E-06	~



Test Step Call Trace				•
Actual Function	Count	Expected Function	Count	Resul
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	

Test Step 2.88 (Repeat Count = 1) Name	Input Value		
	· ·	•	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTim target_Rte_Inst_Ap_VehDyn_2	c	
Rte_Inst_Ap_VehDyn VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000300000014		
k AutoCntrHiSpdCntrWindow HwDeg f32	7.2738266		
k_AutoCntrHiSpdFilt1Kn Hz f32	0.0458000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000004		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	460.901886		
k AutoCntrHiSpdTimer1PinTrg HwNm f32	8.00629902		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	92.026535		
k_AutoCntrHiSpdTimer1_mS_u16	16931		
k_AutoCntrHiSpdTimer2_mS_u16	4574		
AutoCntrHiSpdTimer4CntrWindow HwDeq f32	51.3993683		
<_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	119.134666		
AutoCntrHiSpdTimer4PinTrq HwNm f32	0		
<pre><_AutoCntrHiSpdTimer4VehSpd_kph_f32</pre>	103.723984		
<_AutoCntrHiSpdTimer4_mS_u16	51145		
<pre><_AutoCntrLoSpdCntrWindow_HwDeg_f32</pre>	65.2026672		
	0.00899999961		
<_AutoCntrLoSpdFilt1Kn_Hz_f32 <_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
C_AutoCntrLoSpdFintzKn_Hz_132 AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	581.690918		
AutoCntrLoSpdTimer1Mit/vei_Mit/RadpS_132 AutoCntrLoSpdTimer1PinTrg HwNm f32	6.79465103		
AutoCntrLoSpdTimer1PifTTq_HwNfil_i32 AutoCntrLoSpdTimer1VehSpd kph f32	236.401962		
x_AutoCntrLoSpdTimer1 venSpd_kpri_is2	46296		
k_AutoCntrLoSpdTimer2_mS_u16	9393		
AutoCntrPinTrgLPFCoeffKn Hz f32	0.0458000004		
SLPEnableBFCheck Cnt lgc	1		
SLPHwAuthority_Uls_f32	0.61500001		
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
arget Pim MotPosReset.NVMStoredLastPos HwDeg f32	-809.921021		
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_	lac	
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset	gc	
target_Kte_inst_Ap_veribytt_z.Filit_wiotFosReset target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	71426560		
Name	Actual Value	Expected Value	Resu
	119.134666	119.134666 ± 0.2	Kest
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	103.723984	103.723984 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	05.723964 ± 0.5 0 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32			
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.3993683 16931	51.3993683 ± 0.0625 16931 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16			
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51145	51145 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	71426560	71426560	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	71426560 0.000113070011	71426560 0.000113091002 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32			
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	460.901886		
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	92.026535	92.026535 ± 0.5	
/ehDyn_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 16931 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16931	111	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4574	4574 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	71426560	71426560	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	581.690918	581.690918 ± 0.2	
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.401962	236.401962 ± 0.5	
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.79465103	6.79465103 ± 0.04	
	65.2026672	65.2026672 ± 0.0625	
		46296 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46296		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	9393	9393 ± 2	
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	9393 71426560	71426560	
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	9393 71426560 71426560	71426560 71426560	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	9393 71426560	71426560	

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Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000575363636	0.000575373997 ± 1.25663627181805E-0	S •
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn SLPHwPos HwDeg M f32	0	0	✓

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

Test Case 3: Path Test

Specification

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

TS3.1 4053.00 Cycles TS3.2 3974.00 Cycles

Description Vector Description:

 $TS3.1(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) \&\& (((FaultBFActive_Cnt_T_lgc \& k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=FALSE \\ TS3.2(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) \&\& (((FaultBFActive_Cnt_T_lgc \& k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=TRUE \\$

Test Step 3.1 (Repeat Count = 1)				
Name	Input Value			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584798			
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	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.NVMStoredLastPosValid_Cnt_lgc	1			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600			
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cn	t_lgc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	1			
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	0.00125584798 ± 1.25663627181805E-06		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2		

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Name	Actual Value	Expected Value	Result
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	0.00125584798 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 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	0.00125584798 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Test Step Call Trace		✓		
Actual Function	Count	Expected Function	Count	Result
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 Cu	urrentTime		
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2	mentime		
VehDyn PinTrqSV M str.K Uls f32	9.99999975e-006			
k AutoCntrHiSpdCntrWindow HwDeg f32				
k AutoCntrHiSpdFilt1Kn Hz f32	0.00499999989	16.8675175		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00499999969			
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	511.249969			
k AutoCntrHiSpdTimer1PinTrq HwNm f32	2.49991417			
	119.398392			
k_AutoCntrHiSpdTimer1VehSpd_kph_f32				
k_AutoCntrHiSpdTimer1_mS_u16	19956 1111			
k_AutoCntrHiSpdTimer2_mS_u16	47.1357269			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	577.715271			
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	18.6059322			
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	69.9332428			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	47307			
k_AutoCntrHiSpdTimer4_mS_u16				
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0.0350000001	97.2305069		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0649999976			
k_AutoCntrLoSpdFilt2Kn_Hz_f32 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0.0649999976			
k AutoCntrLoSpdTimer1PinTrg HwNm f32				
k AutoCntrLoSpdTimer1VehSpd kph f32		16.4742603		
		113.628799		
k_AutoCntrLoSpdTimer1_mS_u16 k_AutoCntrLoSpdTimer2_mS_u16	38708	49475		
-	0.00499999989			
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999969			
k_SLPEnableBFCheck_Cnt_lgc k_SLPHwAuthority_Uls_f32	0.00120000006			
_	1			
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1425.14795			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32		us Cat las		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActi	ve_Cnt_igc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	0 1720406272			
tgt_GetSystemTime_mS_u32_CurrentTime		l=		
Name	Actual Value	Expected Value	Result	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	•	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428	69.9332428 ± 0.5	•	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	•	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	•	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	•	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	47307	47307 ± 2	•	

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816481013 ± 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	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-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	0.000439725991 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816481013 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.00120000006	0.00120000006	~
VehDyn_SLPHwPos_HwDeg_M_f32	1425.14795	1425.14795	~

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

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Project	VehDyn
Module	VehDyn
Test Object	Autocenter_f32

Instrumentation: Test Object Only

Statement (C0) 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)\VehDyn\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -Dexpf=exp -l\$(PROJECTROOT)\VehDyn\utp\contract\Ap_VehDyn -l\$(PROJECTROOT)\VehDyn\utp\contract\-l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT)\StdDef\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools \compiler\tms470\include

lame	Text
lodule 'VehDyn'	**************************************
	Name of Tester:Sunita Kore Code File(s) Under Test:Ap_VehDyn.c
	Code File(s) Version:3
	Module Design Document:VehDyn_MDD.docx Module Design Document Version:4
	Data Dictionary Version:5
	Unit Test Plan Version:2 Optimization Level:Level 2
	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 1.30 Total FLASH Used (Bytes):2054
	Total RAM Used (Bytes):188
	Total CALS Used (Bytes):107 Special Test Requirements:
	Special rest Requiements. Test Date:9/19/2014
	Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for refernce.
	NOTE3:Regarding DD Modification:-
	DD: Received Version: 4 Modified version: 5
	Range of variables "VehDyn_MinOffset_HwDeg_M_f32" and "VehDyn_MaxOffset_HwDeg_M_f32" are updated in DD with highlighted portion.
	n e e e e e e e e e e e e e e e e e e e

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\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src

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Attributes				
Name	Value			
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd			
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl			
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2			
Time Unit	Cycles			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg			
Workspace File	D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP			



Test Case 1: Metrics Test

Specification

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

TS1.1 680.00 Cycles Shortest Execution Pat TS1.2 1810.00 Cycles Longest Execution Path Shortest Execution Path

Description

Vector Description:

TS1.1"Shortest Execution Path=>

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"

TS1.3" enable Execution Path=>

TS1.2"Longest Execution Path=>

if(AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>True"

if (AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_Igc == D_FALSE_CNT_LGC) &&

(Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16))=>True

if (AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_Igc == D_FALSE_CNT_LGC) >=>True

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_u	32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	0			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-1350			
RelHwPos_HwDeg_T_f32	-2880.21997			
VehSpdValid_Cnt_T_lgc	0	0		
VehicleSpeed_Kph_T_f32	0			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	0			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	0			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	0			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	0			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	0			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	0			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2880.21997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000501999981			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2880.21997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000501999981			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	0			
tgt_GetSystemTime_mS_u32_CurrentTime	0			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	0	0 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976	2269150976	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2880.21997	-2880.21997 ± 0.009	~	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2880.21997	-2880.21997 ± 0.009	~	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~	

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





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_u3	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	5		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-888		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	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	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 ± 0.0009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888 ± 0.0009	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~		
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~		
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~		

Autocenter_f32

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Test Case 2: Boundary Test

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Specification

Autocenter_f32

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
TS2.6 659.00 Cycles
TS2.7 659.00 Cycles
TS2.9 659.00 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
TS2.18 728.00 Cycles
TS2.19 654.00 Cycles
TS2.19 654.00 Cycles
TS2.20 701.00 Cycles
TS2.22 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 Cycles
TS2.25 654.00 Cycles
TS2.26 654.00 Cycles
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.29 654.00 Cycles
TS2.21 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 Cycles
TS2.25 654.00 Cycles
TS2.26 654.00 Cycles
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.29 654.00 Cycles
TS2.21 654.00 Cycles
TS2.22 654.00 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
TS2.50 654.00 Cycles
TS2.51 654.00 Cycles
TS2.52 664.00 Cycles
TS2.53 703.00 Cycles
TS2.55 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 654.00 Cycles
TS2.58 664.00 Cycles
TS2.59 664.00 Cycles
TS2.69 664.00 Cyc





Description Vector Description:

```
TS2.1All Min
TS2.2All Max
TS2.3FiltPinTrq_HwNm_T_f32 = Min
TS2.4FiltPinTrq_HwNm_T_f32 = Max
TS2.5FiltPinTrq_HwNm_T_f32 = Zero
TS2.6FiltPinTrq_HwNm_T_f32 = Pos
TS2.6FiltPinTrq_HwNm_T_f32 = Neg
TS2.8MotorVelCRF_MtrRadpS_T_f32 = Min
TS2.9MotorVelCRF_MtrRadpS_T_f32 = Max
TS2.10MotorVelCRF_MtrRadpS_T_f32 = Pos
TS2.11MotorVelCRF_MtrRadpS_T_f32 = Pos
TS2.12MotorVelCRF_MtrRadpS_T_f32 = Neg
TS2.15VehicleSpeed_Kph_T_f32 = Min
TS2.14VehicleSpeed_Kph_T_f32 = Mox
TS2.15VehSpdValid_Cnt_T_lgc = Min
TS2.17VehSpdValid_Cnt_T_lgc = Min
TS2.17VehSpdValid_Cnt_T_lgc = Min
TS2.18RelHwPos_HwDeg_T_f32 = Max
TS2.18RelHwPos_HwDeg_T_f32 = Max
TS2.18RelHwPos_HwDeg_T_f32 = Pos
TS2.22RelHwPos_HwDeg_T_f32 = Pos
TS2.22RelHwPos_HwDeg_T_f32 = Pos
TS2.22RelHwPos_HwDeg_T_f32 = Neg
TS2.23AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32==>Min
TS2.23AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32==>Mox
TS2.25AutoCntr_Cnt_T_str.WtrVel_MtrRadpS_f32==>Mox
TS2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Mox
TS2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Mox
TS2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Mox
TS2.23AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Mox
TS2.30AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Mox
TS2.33AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Mox
TS2.33AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Mox
TS2.33AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Mox
TS2.33AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Mox
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Mox
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Mox
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Pos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Mox
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Pos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Pos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Mox
TS2.44AutoCntr_Cnt_T_str.
                TS2.1All Min
                TS2.2All Max
     TS2.43AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc==>Min
TS2.44AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc==>Max
TS2.45AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc==>Min
TS2.46AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc==>Max
TS2.47AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc==>Max
TS2.49AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc==>Max
TS2.49AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Min
TS2.50AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Max
TS2.51AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Nes
TS2.52AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Nes
TS2.53AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Nes
TS2.55AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K==>Min
TS2.55AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K==>Max
TS2.56AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K==>Max
TS2.56AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K==>Min
TS2.58AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Min
TS2.58AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Min
TS2.58AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Nin
TS2.59AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS2.59AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS2.50AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS2.50AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS2.50AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS2.60AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS2.60AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Zero
              TS2.69AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS2.60AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Neg
TS2.62AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Min
TS2.63AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Max
TS2.64AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Pos
TS2.65DtrnnElapsedTime_mS_u32 = Min
                TS2.66DtrmnElapsedTime_mS_u32 = Max
TS2.67DtrmnElapsedTime_mS_u32 = Pos
TS2.68GetSystemTime_mS_u32 = Min
                   TS2.69GetSystemTime_mS_u32 = Max
                   TS2.70GetSystemTime_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	
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	

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Name	Input Value		
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	2.51000006e-006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

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

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 u3	2 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			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798			
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	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	4294967295	4294967295	~	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	~	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	~	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓	

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



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 ElapsedTi	me	
FiltPinTrq_HwNm_T_f32	-18.7999992		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-123		
RelHwPos_HwDeg_T_f32	1885		
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	1950		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000501999981		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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	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	1950	1950 ± 0.009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885	1885 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

Test Step 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	-1887
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	176
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	98
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166
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	1885
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000503999996
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1887
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51999995e-006
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0

Count Expected Function

GetSystemTime_mS_u32

 $tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc$

Test Step Call Trace
Actual Function

GetSystemTime_mS_u32

Count Result

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Name	Input Value		
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	1885	1885 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1887	-1887 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

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

Test Step 2.5 (Repeat Count = 1)			~
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Elapsed	Time	
FiltPinTrq_HwNm_T_f32	0		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTim	e	
MotorVelCRF_MtrRadpS_T_f32	63		
RelHwPos_HwDeg_T_f32	-1753		
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		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86		
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	-1887		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000506000011		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1753		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.53000007e-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	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	-1887	-1887 ± 0.009	-
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1753	-1753 ± 0.009	-
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	-

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

Test Step 2.6 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime

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Name	Input Value		
FiltPinTrq_HwNm_T_f32	12.3299999		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-900		
RelHwPos_HwDeg_T_f32	1900		
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		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	71426560		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000517999986		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.58999989e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568		
tgt_GetSystemTime_mS_u32_CurrentTime	309385728		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	3800	3800 ± 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	1900	1900 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900	-1900 ± 0.009	~
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	~

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

Name	Input Value		
AutoCntr Cnt T str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrg HwNm T f32	-12.4499998		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
MotorVelCRF MtrRadpS T f32	800		
RelHwPos HwDeg T f32	-1900		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed Kph T f32	512		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	200		
tgt AutoCntr Cnt T str.VehSpd kph f32	86		
tgt AutoCntr Cnt T str.FiltPinTrg 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	-1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000520000001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.60000002e-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	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()	-418 ± 0.1	•	
tgt AutoCntr Cnt T str.Timer1 mS u32	4164171008 4164171008	•	

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	2836768512	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900	-1900 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482	-1482 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

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

Test Step 2.8 (Repeat Count = 1) Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 Elapse	adTima	
FiltPinTrg HwNm T f32	4.23000002	sa riine	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime		
MotorVelCRF MtrRadpS T f32	-1350	me	
RelHwPos HwDeg T f32	-2400		
VehSpdValid Cnt T Igc	1		
VehicleSpeed Kph T f32	196		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	34		
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	-1753		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000508000026		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	935		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.53999997e-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	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832		
tgt_GetSystemTime_mS_u32_CurrentTime	1316564736		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	-3335	-3335 ± 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	-1753	-1753 ± 0.009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	935	935 ± 0.0009	
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	Test Step Call Trace					
A	ctual Function	Count	Expected Function	Count	Result	
G	etSystemTime_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	
RelHwPos_HwDeg_T_f32	935	
VehSpdValid_Cnt_T_lgc	0	
VehicleSpeed_Kph_T_f32	206	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	2	

Autocenter_f32





Name	Input Value		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	52		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	7		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54		
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	935		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000509999983		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.55000009e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392		
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	1823	1823 ± 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	935	935 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888 ± 0.0009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_E	ElapsedTime	
FiltPinTrq_HwNm_T_f32	5.86999989		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curr	rentTime	
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	2167769344		
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	0.000511999999		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.55999998e-006		
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	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	-1313	-1313 ± 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	-888	-888 ± 0.0009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425 ± 0.0009	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	



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

Test Step 2.11 (Repeat Count = 1) Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	. FI IT	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	2_Elapsed lime	
FiltPinTrq_HwNm_T_f32	9.45499992	_	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	1100		
RelHwPos_HwDeg_T_f32	425		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	226		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	350		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	18		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	3		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	13352		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	662694400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000514000014		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.57000011e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776		
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080		
Name	Actual Value	Expected Value	Resul
Autocenter f32()	2425	2425 ± 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	425	425 ± 0.0009	
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2000	-2000 ± 0.009	
tgt AutoCntr Cnt T str.Filter1Enable Cnt lgc	0	0	
tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc	1	1	
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0	0	
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0	

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
GetSystemTime mS u32	1	GetSystemTime mS u32	1	_		

Test Step 2.12 (Repeat Count = 1)			
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	7.87699986		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-1200		
RelHwPos_HwDeg_T_f32	-2000		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	236		
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		
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	-2000		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000515999971		

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.58e-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	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()	-3900	-3900 ± 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	-2000	-2000 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900	1900 ± 0.009	~
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	✓

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Resu		
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1			

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32	2 ElapsedTime	
FiltPinTrq HwNm T f32	5.76599979		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 C	urrentTime	
MotorVelCRF MtrRadpS T f32	-900		
RelHwPos_HwDeg_T_f32	1900		
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		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	71426560		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000517999986		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.58999989e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568		
tgt_GetSystemTime_mS_u32_CurrentTime	309385728		
Name	Actual Value	Expected Value	Resu
Autocenter_f32()	3800	3800 ± 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	1900	1900 ± 0.009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900	-1900 ± 0.009	
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	

Test Step Call Trace					~
	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 Elapsed	Time	
FiltPinTrg HwNm T f32	3	Time	
GetSystemTime mS u32(CurrentTime)	tqt GetSystemTime mS u32 CurrentTim	2	
MotorVelCRF MtrRadpS T f32	800		
RelHwPos HwDeg T f32	-1900		
VehSpdValid Cnt T Igc	1		
VehicleSpeed Kph T f32	512		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	200		
tgt AutoCntr Cnt T str.VehSpd kph f32	86		
tgt AutoCntr Cnt T str.FiltPinTrg 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	-1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000520000001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.60000002e-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	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()	-418	-418 ± 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	-1900	-1900 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482	-1482 ± 0.009	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

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

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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
RelHwPos_HwDeg_T_f32	-1482
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	124
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	1991
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000522000017
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.60999991e-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	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208

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Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	437658624		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-729	-729 ± 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	1991	1991 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753	-753 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

Test Step 2.16 (Repeat Count = 1)			✓			
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	2.98000002					
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime					
MotorVelCRF_MtrRadpS_T_f32	-425	-425				
RelHwPos_HwDeg_T_f32	-753					
VehSpdValid_Cnt_T_lgc	0					
VehicleSpeed_Kph_T_f32	156					
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	498					
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	106					
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14					
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	-1482					
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000523999974					
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456					
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.62000003e-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	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	Result			
Autocenter_f32()	-1209	-1209 ± 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	-1482	-1482 ± 0.009	✓			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456	456 ± 0.0009	✓			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓			

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

Test Step 2.17 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4.2329998
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	752



Name	Input Value		
RelHwPos HwDeg T f32	456		
VehSpdValid Cnt T Igc	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.FiltPinTrg HwNm f32	18		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75		
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	-753		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000525999989		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.62999993e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	2956	2956 ± 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	-753	-753 ± 0.0009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500	-2500 ± 0.009	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	•

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

Name	Input Value	
AutoCntr Cnt T str	tgt AutoCntr Cnt T str	
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime	
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	0	
VehicleSpeed_Kph_T_f32	84	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	580	
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	456	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000528000004	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.64000005e-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	1	
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()	-5800 ± 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	456 ± 0.0009	•
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600 ± 0.009	•





Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt AutoCntr Cnt T str.Filter2Initialized Cnt lgc	1	1	✓

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

Test Step 2.19 (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	14.6626997		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	753		
RelHwPos_HwDeg_T_f32	3200		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	64		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	621		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18		
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	-2500		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000530000019		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.64999994e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736		
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	5600	5600 ± 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	-2500	-2500 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400	-2400 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

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

Test Step 2.20 (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	18.2630005	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	159	
RelHwPos_HwDeg_T_f32	0	
VehSpdValid_Cnt_T_lgc	0	
VehicleSpeed_Kph_T_f32	52.3300018	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	662	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	146	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42	

Autocenter_f32





Name	Input Value		
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	2600		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000531999976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.66000006e-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	1		
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()	-2800	-2800 ± 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	2600	2600 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800	2800 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

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

Test Step 2.21 (Repeat Count = 1)			
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u3	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	16.3782997		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	1100		
RelHwPos_HwDeg_T_f32	1440.88		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	34		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124		
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	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	-2400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000533999992		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.66999996e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432		
tgt_GetSystemTime_mS_u32_CurrentTime	71426560		
Name	Actual Value	Expected Value	Resul
Autocenter f32()	2878.87988	2878.87988 ± 0.1	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	71426560	71426560	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208	2127166208	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400	-2400 ± 0.009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438	-1438 ± 0.009	
tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc	0	0	
tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc	1	1	
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0	0	
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0	



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

Test Step 2.22 (Repeat Count = 1)			~
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_	ElapsedTime	
FiltPinTrq_HwNm_T_f32	18		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime	
MotorVelCRF_MtrRadpS_T_f32	-1235		
RelHwPos_HwDeg_T_f32	-1200.56006		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	18		
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		
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	2800		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000536000007		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.68000008e-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	1		
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	Resul
Autocenter_f32()	-1953.56006	-1953.56006 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2430672128	2430672128	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4243378688	4243378688	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800	2800 ± 0.009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753	753 ± 0.0009	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•

Test Step Call Trace					~
F	actual Function	Count	Expected Function	Count	Result
(SetSystemTime mS u32	1	GetSystemTime mS u32	1	~

Test Step 2.23 (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	8
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	154
RelHwPos_HwDeg_T_f32	1885
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	88
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	0
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	176
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52
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	-1438
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000538000022

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.68999997e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752		
tgt_GetSystemTime_mS_u32_CurrentTime	2242866176		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	3873	3873 ± 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	-1438	-1438 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988	-1988 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

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

Test Step 2.24 (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_	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	4	4		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cur	rentTime		
MotorVelCRF_MtrRadpS_T_f32	-759			
RelHwPos_HwDeg_T_f32	-1887			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	76			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	700			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	186			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	20423			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	20423			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4129141760			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000539999979			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988	1988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.7000001e-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	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	Resul	
Autocenter_f32()	-3875	-3875 ± 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	753	753 ± 0.0009		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988	1988 ± 0.009	•	
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		

Test Step Call Trace				
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_ElapsedTi	me	
FiltPinTrq_HwNm_T_f32	16		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-1253		
RelHwPos_HwDeg_T_f32	-1753		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	86.5500031		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	350		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	196		
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	-1988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000541999994		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.7099999e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008		
tgt_GetSystemTime_mS_u32_CurrentTime	3533260288		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-3744	-3744 ± 0.1	~
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	-1988	-1988 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991	1991 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

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

Test Step 2.26 (Repeat Count = 1)	la caracteristic de la car
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_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-835
RelHwPos_HwDeg_T_f32	935
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
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	1988
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00054400001
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.72000011e-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	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624

Autocenter_f32



Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	812314880		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	2935	2935 ± 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	1988	1988 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000	-2000 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 2.27 (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_0	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-456			
RelHwPos_HwDeg_T_f32	-888			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	106			
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			
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	1991			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000546000025			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.73000001e-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	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312			
tgt_GetSystemTime_mS_u32_CurrentTime	3437401088			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	-2788	-2788 ± 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	1991	1991 ± 0.009	~	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900	1900 ± 0.009	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓	

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

Test Step 2.28 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	10
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	753





Name	Input Value		
RelHwPos_HwDeg_T_f32	425		
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		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000547999982		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.739999e-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	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()	2325	2325 ± 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	-2000	-2000 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900	-1900 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

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

Name	Input Value	
AutoCntr Cnt T str	tgt AutoCntr Cnt T str	
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime	
FiltPinTrg HwNm T f32	2	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	1199	
RelHwPos_HwDeg_T_f32	-2000	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	126	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136	
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	1900	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000549999997	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.75000002e-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	0	
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344	
tgt_GetSystemTime_mS_u32_CurrentTime	463842816	
Name	Actual Value Expected Value	Result
Autocenter_f32()	-518 ± 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	1900 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482 ± 0.009	✓





Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt AutoCntr Cnt T str.Filter2Initialized Cnt lgc	0	0	✓

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

Test Step 2.30 (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_Curre	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-1299	-1299		
RelHwPos_HwDeg_T_f32	1900			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	136			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	63			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	146			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	20			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42			
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			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000552000012			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.75999992e-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	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()	2653	2653 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568	1759885568	✓	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312	3941357312	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900	-1900 ± 0.009	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753	-753 ± 0.0009	~	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓	

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

Test Step 2.31 (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	-147
RelHwPos_HwDeg_T_f32	-1900
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	146
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	456
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	156
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	15
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75





Name	Input Value		
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	-1482		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000554000027		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.77000004e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832		
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-2356	-2356 ± 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	-1482	-1482 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456	456 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrq_HwNm_T_f32	8			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime		
MotorVelCRF_MtrRadpS_T_f32	88	88		
RelHwPos_HwDeg_T_f32	-1482			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	156			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	566			
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	-753			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000555999984			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.77999993e-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	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	Resul	
Autocenter_f32()	1018	1018 ± 0.1		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208	2127166208		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2167769344	2167769344		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753	-753 ± 0.0009	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500	-2500 ± 0.009	•	
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		



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

Test Step 2.33 (Repeat Count = 1)			→
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	10		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_	CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-75		
RelHwPos_HwDeg_T_f32	-753		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	166		
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	456		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000558		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.79000005e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2430672128		
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-3353	-3353 ± 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	456	456 ± 0.0009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600	2600 ± 0.009	•
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	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc	0	0	-

7	Test Step Call Trace				~
F	actual Function	Count	Expected Function	Count	Result
(SetSystemTime mS u32	1	GetSystemTime mS u32	1	~

Test Step 2.34 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	12
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-900
RelHwPos_HwDeg_T_f32	456
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	176
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	10
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	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	-2500
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000560000015

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.79999995e-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	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()	2856	2856 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2894938880	2894938880	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500	-2500 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400	-2400 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 2.35 (Repeat Count = 1)			•
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	14		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curr	entTime	
MotorVelCRF_MtrRadpS_T_f32	800		
RelHwPos_HwDeg_T_f32	-2500		
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	196		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14		
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	2600		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000561999972		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.81000007e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976		
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	-5300	-5300 ± 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	2600	2600 ± 0.009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800	2800 ± 0.009	•
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	

Test Step Call Trace				~
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_AdioCriti_Crit_i_sti		
FiltPinTrg HwNm T f32	16.9799995	od Time	
GetSystemTime mS u32(CurrentTime)	tqt GetSystemTime mS u32 CurrentTi	me	
MotorVelCRF MtrRadpS T f32	-418		
RelHwPos HwDeg T f32	2600		
VehSpdValid Cnt T lgc	0		
VehicleSpeed Kph T f32	196		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	86		
tgt AutoCntr Cnt T str.VehSpd kph f32	206		
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	16		
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	-2400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000563999987		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.81999996e-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	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()	4038	4038 ± 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	-2400	-2400 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438	-1438 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

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

Test Step 2.37 (Repeat Count = 1)	Invest Value
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	18
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-425
RelHwPos_HwDeg_T_f32	-2400
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	206
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	75
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	216
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	65
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	2800
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.83000008e-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	0
tgt DtrmnElapsedTime mS u32 ElapsedTime	812314880

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Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-3153	-3153 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	569984000	569984000	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800	2800 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753	753 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

Test Step 2.38 (Repeat Count = 1) Name	Input Value			
AutoCntr Cnt T str		tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)				
FiltPinTrq HwNm T f32	1	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
	tgt GetSystemTime mS u32 Cu	umantTime.		
GetSystemTime_mS_u32(CurrentTime) MotorVelCRF MtrRadpS T f32	752	intentrime		
RelHwPos HwDeq T f32	2800			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed Kph T f32	216			
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	98			
tgt AutoCntr Cnt T str.VehSpd kph f32	226			
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	1			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	10			
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	-1438			
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000568000018			
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1988			
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.83999998e-006			
tgt AutoCntr Cnt T str.Filter1Enable Cnt lgc	0			
tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc	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	Resul	
Autocenter_f32()	4788	4788 ± 0.1		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	954802432	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312	3941357312		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438	-1438 ± 0.009		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988	-1988 ± 0.009	•	
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		

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime mS u32	1	GetSystemTime 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_ElapsedTime
FiltPinTrq_HwNm_T_f32	2
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-158



Name	Input Value		
RelHwPos HwDeg T f32	-1438		
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	236		
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	2		
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	25		
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	753		
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000569999975		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.K Uls f32	2.8500001e-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	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000		
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	-4038	-4038 ± 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	753	753 ± 0.0009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600	2600 ± 0.009	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	•

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

Test Stan 2.40 (Banast Count = 4)				
Test Step 2.40 (Repeat Count = 1)	Input Value			
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str	· ·		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32	ElapsedTime		
FiltPinTrg HwNm T f32	4			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Cu	rrentTime		
MotorVelCRF MtrRadpS T f32	753			
RelHwPos HwDeg T f32	753			
VehSpdValid Cnt T Igc	0			
VehicleSpeed Kph T f32	236			
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	34			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	246			
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	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	-1988			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00057199999			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.86e-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	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	Resul	
Autocenter_f32()	3153	3153 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2659241984	2659241984	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988	-1988 ± 0.009	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400	-2400 ± 0.009	•	

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 2.41 (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	6.65999985			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cur	rentTime		
MotorVelCRF_MtrRadpS_T_f32	159			
RelHwPos_HwDeg_T_f32	-1988			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	246			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	2			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_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	1885			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000574000005			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.86999989e-006			
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()	-4788	-4788 ± 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	1885	1885 ± 0.009	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800	2800 ± 0.009	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓	

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

Test Step 2.42 (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	1988	
VehSpdValid_Cnt_T_lgc	0	
VehicleSpeed_Kph_T_f32	84	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54	

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Name	Input Value		
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	1988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00057600002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.88000001e-006		
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()	3426	3426 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1117112832	1117112832	-
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988	1988 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438	-1438 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•

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

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				
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 0	CurrentTime			
MotorVelCRF MtrRadpS T f32	-1235				
RelHwPos HwDeg T f32	1991				
VehSpdValid Cnt T lgc	1				
VehicleSpeed Kph T f32	64				
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	350				
tgt AutoCntr Cnt T str.VehSpd kph f32	52				
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	18				
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85				
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	29076				
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	43128				
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	1991				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000577999977				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.88999991e-006				
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	4129141760				
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008				
Name	Actual Value	Expected Value	Resul		
Autocenter_f32()	1238	1238 ± 0.1			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1736795392 1736795392				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991 1991 ± 0.009				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753	753 ± 0.0009	•		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0			



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

Test Step 2.44 (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	18				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	154				
RelHwPos_HwDeg_T_f32	-2000				
VehSpdValid_Cnt_T_lgc	0				
VehicleSpeed_Kph_T_f32	52				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	400				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18				
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	-2400				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000579999993				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.90000003e-006				
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	2836768512				
tgt_GetSystemTime_mS_u32_CurrentTime	437658624				
Name	Actual Value	Expected Value	Resul		
Autocenter_f32()	-12	-12 ± 0.1			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	437658624	437658624			
tgt AutoCntr Cnt T str.Timer2 mS u32	3437401088	3437401088			
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2400	-2400 ± 0.009			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988	-1988 ± 0.009			
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_lgc	1	1			
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1			

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

Test Step 2.45 (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	-759
RelHwPos_HwDeg_T_f32	1900
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	34
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	216
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16
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	2800
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000582000008

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.90999992e-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	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()	3338	3338 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312	3941357312	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3494315776	3494315776	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800	2800 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438	-1438 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

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	18	0_			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-1253				
RelHwPos_HwDeg_T_f32	-1900				
VehSpdValid_Cnt_T_lgc	0				
VehicleSpeed_Kph_T_f32	216				
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	200				
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	226				
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18				
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	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	-1438				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000584000023				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753				
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.92000004e-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	4180236544				
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296				
Name	Actual Value	Expected Value	Res		
Autocenter_f32()	-2653	-2653 ± 0.1			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3304439296	3304439296			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816	463842816			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438	-1438 ± 0.009			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753	753 ± 0.0009			
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	1	1			

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





Name	Input Value			
AutoCntr_Cnt_T_str		tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrg HwNm T f32	8			
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 C	CurrentTime		
MotorVelCRF MtrRadpS T f32	-835			
RelHwPos_HwDeg_T_f32	-1482			
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	236			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	13352			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984	800969984		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00058599998			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.92999994e-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	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	Resul	
Autocenter_f32()	506	506 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344	2167769344	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568	1759885568		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950	1950 ± 0.009		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988 ± 0.009			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0		

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

Test Step 2.48 (Repeat Count = 1)	Import Value
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-456
RelHwPos_HwDeg_T_f32	-753
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	236
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	498
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	246
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	53970
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000587999995
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.94000006e-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	170564352

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Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-3353	-3353 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504	3714197504	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408	1662097408	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885	1885 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600	2600 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 2.49 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_	ElapsedTime	
FiltPinTrq_HwNm_T_f32	16		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime	
MotorVelCRF_MtrRadpS_T_f32	1199		
RelHwPos_HwDeg_T_f32	456		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	246		
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	1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000590000011		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.94999995e-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	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608		
tgt_GetSystemTime_mS_u32_CurrentTime	2894938880		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	3656	3656 ± 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	1900	1900 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

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

Test Step 2.50 (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	14
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-1299





-			
Name	Input Value		
RelHwPos_HwDeg_T_f32	-2500		
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		
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	-1887		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000592000026		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.96000007e-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	1711664384		
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-5700	-5700 ± 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	-1887	-1887 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

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

Test Step 2.51 (Repeat Count = 1)			~
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	12		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-147		
RelHwPos_HwDeg_T_f32	2600		
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		
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	-1753		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000593999983		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.96999997e-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	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()	2600 2	600 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984	00969984	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864	050692864	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753	1753 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0	± 0.000009	✓

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace				
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	10		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Currer	ntTime	
MotorVelCRF_MtrRadpS_T_f32	88		
RelHwPos_HwDeg_T_f32	-2400		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	125		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	662		
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	935		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000595999998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.98000009e-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	4195077888		
tgt_GetSystemTime_mS_u32_CurrentTime	569984000		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-3840.87988	-3840.87988 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000	569984000	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680	3039943680	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935	935 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88	1440.88 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 2.53 (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	-75	
RelHwPos_HwDeg_T_f32	2800	
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	

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Name	Input Value		
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	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000598000013		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.98999998e-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	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824		
tgt_GetSystemTime_mS_u32_CurrentTime	3351443200		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	4000.56006	4000.56006 ± 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	-888	-888 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006	-1200.56006 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

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	4			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 0	CurrentTime		
MotorVelCRF MtrRadpS T f32	-835			
RelHwPos HwDeg T f32	-1438			
VehSpdValid Cnt T Igc	0			
VehicleSpeed Kph T f32	124			
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	138			
tgt AutoCntr Cnt T str.VehSpd kph f32	84			
tgt AutoCntr Cnt T str.FiltPinTrq HwNm f32	4			
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	425			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000600000028			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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	Resul	
Autocenter_f32()	-3338	-3338 ± 0.1		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1358028288	1358028288		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192	2075080192		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425	425 ± 0.0009		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900	1900 ± 0.009	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•	



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

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	6		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	159		
RelHwPos_HwDeg_T_f32	753		
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		
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	-423		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000601999986		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798		
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	2108719104		
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216		
Name	Actual Value	Expected Value	Resul
Autocenter_f32()	2653	2653 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1975593216	1975593216	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423	-423 ± 0.0009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900	-1900 ± 0.009	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	

Test Step Call Trace					~
F	actual Function	Count	Expected Function	Count	Result
(SetSystemTime mS u32	1	GetSystemTime mS u32	1	~

Test Step 2.56 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	8
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	1100
RelHwPos_HwDeg_T_f32	-1988
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	64
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	539
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	52
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	53
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	796
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000604000001

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.98999998e-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	2894938880		
tgt_GetSystemTime_mS_u32_CurrentTime	910116864		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-506	-506 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	910116864	910116864	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080	2728878080	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	796	796 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482	-1482 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	10		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
MotorVelCRF_MtrRadpS_T_f32	-1235		
RelHwPos_HwDeg_T_f32	-2400		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	52		
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		
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	0.000606000016		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017		
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	2059598336		
tgt_GetSystemTime_mS_u32_CurrentTime	402713344		
Name	Actual Value	Expected Value	Resu
Autocenter_f32()	-1647	-1647 ± 0.1	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	402713344	402713344	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	824746752	824746752	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753	-753 ± 0.0009	
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	

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





Name	Input Value		
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32	? ElapsedTime	
FiltPinTrg HwNm T f32	12.9799995		
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 C	urrentTime	
MotorVelCRF MtrRadpS T f32	154		
RelHwPos HwDeg T f32	1988		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	34		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	96		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	18		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12		
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	0.000607999973		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000653999974		
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()	1532	1532 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4178051584	4178051584	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	309385728	309385728	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456	456 ± 0.0009	•
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	•

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

Test Step 2.59 (Repeat Count = 1)	I AMA
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	-759
RelHwPos_HwDeg_T_f32	1991
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	18
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
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	45
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	29076
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	0.000609999988
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655999989
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	569984000

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Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	4491	4491 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4077829376	4077829376	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008	4164171008	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500	-2500 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Resu	lt	
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_AutoCht_Cht_T_sti	neadTima	
FiltPinTrg HwNm T f32	16	pseurinie	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Currer	atTime.	
MotorVelCRF MtrRadpS T f32	-1253	it i ii ile	
RelHwPos HwDeg T f32	-2400		
VehSpdValid Cnt T lgc	0		
VehicleSpeed_Kph_T_f32	88		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	124		
tgt AutoCntr Cnt T str.VehSpd kph f32	76		
tgt AutoCntr Cnt T str.FiltPinTrq HwNm f32	16		
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	1440.88		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000612000003		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004		
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()	-5000	-5000 ± 0.1	
tgt AutoCntr Cnt T str.Timer1 mS u32	2644937728	2644937728	
tgt AutoCntr Cnt T str.Timer2 mS u32	2894938880	2894938880	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88	1440.88 ± 0.009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600	2600 ± 0.009	•
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	1	1	•

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
GetSystemTime mS u32	1	GetSystemTime mS u32	1	•	

Test Step 2.61 (Repeat Count = 1)		
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	3	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-835	





Name	Input Value		
RelHwPos_HwDeg_T_f32	2800		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	76		
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		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96		
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	-1200.56006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000614000019		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00066000002		
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	1358028288		
tgt_GetSystemTime_mS_u32_CurrentTime	2212175616		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	5200	5200 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2212175616	2212175616	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336	2059598336	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006	-1200.56006 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400	-2400 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

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	154	
RelHwPos_HwDeg_T_f32	-1438	
VehSpdValid_Cnt_T_lgc	0	
VehicleSpeed_Kph_T_f32	86.5999985	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	88	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	96	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5	
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	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000661999977	
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()	-4238 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2059598336 2059598336	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	800969984 800969984	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887 ± 0.009	✓
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800 ± 0.009	✓

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 2.63 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Ela	apsedTime	
FiltPinTrq_HwNm_T_f32	9		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	entTime	
MotorVelCRF_MtrRadpS_T_f32	-456		
RelHwPos_HwDeg_T_f32	1950		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	96		
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		
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	-1753		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992		
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	910116864		
tgt_GetSystemTime_mS_u32_CurrentTime	800969984		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	3388	3388 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984	800969984	~
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	569984000	569984000	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753	-1753 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438	-1438 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

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

Test Step 2.64 (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
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-900
RelHwPos_HwDeg_T_f32	1885
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	106
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	44
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	116
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	7
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	10

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Name	Input Value		
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	935		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.98999998e-006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000666000007		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344		
tgt_GetSystemTime_mS_u32_CurrentTime	2659241984		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	1132	1132 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2659241984	2659241984	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3351443200	3351443200	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935	935 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753	753 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32	P FlansedTime	
FiltPinTrg HwNm T f32	5		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 C	rurrentTime	
MotorVelCRF MtrRadpS T f32	800		
RelHwPos HwDeg T f32	142		
VehSpdValid Cnt T Igc	1		
VehicleSpeed Kph T f32	116		
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	126		
tgt AutoCntr Cnt T str.VehSpd kph f32	126		
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	5		
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	-888		
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000750000007		
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000668000022		
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()	2130	2130 ± 0.1	
tgt AutoCntr Cnt T str.Timer1 mS u32	2942063360	2942063360	
tgt AutoCntr Cnt T str.Timer2 mS u32	1358028288	1358028288	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888 ± 0.0009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988	-1988 ± 0.009	
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	0	0	





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

Test Step 2.66 (Repeat Count = 1) Name	Input Value		
	The state of the s		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	FlancadTime	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	3		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	current I ime	
MotorVelCRF_MtrRadpS_T_f32	-418		
RelHwPos_HwDeg_T_f32	-1900		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	126		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	3		
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	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376		
Name	Actual Value	Expected Value	Resu
Autocenter_f32()	500	500 ± 0.1	
tgt AutoCntr Cnt T str.Timer1 mS u32	4077829376	4077829376	
tgt AutoCntr Cnt T str.Timer2 mS u32	1975593216	1975593216	
tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32	425	425 ± 0.0009	
tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400	-2400 ± 0.009	
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	1	1	

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

Test Step 2.67 (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		
RelHwPos_HwDeg_T_f32	-1482		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	136		
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	1		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	56		
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	-423		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000753999979		

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000671999995		
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()	-3470	-3470 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504	3714197504	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	910116864	910116864	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423	-423 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988	1988 ± 0.009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

Test Step 2.68 (Repeat Count = 1)			V	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	2			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	entTime		
MotorVelCRF_MtrRadpS_T_f32	752			
RelHwPos_HwDeg_T_f32	-2400			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	146			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	566			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	156			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2			
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	796			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000755999994	0.000755999994		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00067400001			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344			
tgt_GetSystemTime_mS_u32_CurrentTime	0			
Name	Actual Value	Expected Value	Resul	
Autocenter_f32()	-4391	-4391 ± 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	796	796 ± 0.0009	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991	1991 ± 0.009	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		

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



Name	Input Value			
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrq HwNm T f32	5.5			
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 C	CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-158			
RelHwPos_HwDeg_T_f32	1988			
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	1456			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400	-2400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000676000025			
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	Resul	
Autocenter_f32()	4388	4388 ± 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	1456	1456 ± 0.009	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400	-2400 ± 0.009		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	•	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0		

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

Test Step 2.70 (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	1100
RelHwPos_HwDeg_T_f32	1991
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	166
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	10
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	-758
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1887
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000677999982
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

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Autocenter_f32

Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	255468		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	3878	3878 ± 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	-758	-758 ± 0.0009	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1887	-1887 ± 0.009	~
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	1	1	~

Test Step Call Trace					V
Actual Function	Count	Expected Function	Count	Resu	lt
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		~

Test Case 3: Path Test

Specification

Performance Metrics: (With "None" Instrum

Instrumentation and "WithPS"

Environment)

TS3.1 1885.00 Cycles TS3.2 1257.00 Cycles TS3.3 1767.00 Cycles TS3.4 1844.00 Cycles TS3.5 1176.00 Cycles TS3.6 1791.00 Cycles TS3.7 747.00 Cycles

TS3.9 676.00 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 == D_TRUE_CNT_LGC) && (VehSpdValid_Cnt_T_lgc == D_TRUE_CNT_LGC) && (AbsFiltPinTrq_HwNm_T_f32 <= (AutoCntr_Cnt_T_str->FiltPinTrq_HwNm_f32)))=True ((AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_FALSE_CNT_LGC) && (Timer1Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer1Thresh_mS_u16))=True (AutoCntr_Cnt_T_str->Filter1Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=False (AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_TRUE_CNT_LGC)=True (Abs_f32_m(RelHwPos_HwDeg_T_f32 - AutoCntr_Cnt_T_str->RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32) <= AutoCntr_Cnt_T_str->CntTWindow_HwDeg_f32)=True ((AutoCnt_Cnt_T_str->Filter2Enable_Cnt_lgc == D_FALSE_CNT_LGC) && (Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16))=True

((AutoCntr_Cnt_I_str->Filter2Enable_Cnt_igc == D_FALSE_CNI_LGC) &&
(Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16)) = True
(AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_igc == D_FALSE_CNT_LGC)=False
(AutoCntr_Cnt_T_str->Filter2Enable_Cnt_igc == D_TRUE_CNT_LGC)=True"
TS3.2"((AutoCntr_Cnt_T_str->Filter1Enable_Cnt_igc == D_FALSE_CNT_LGC) &&
(Timer1Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer1Thresh_mS_u16)) = False"
TS3.3(AutoCntr_Cnt_T_str->Filter1Initialized_Cnt_igc == D_FALSE_CNT_LGC) = True
TS3.4"(Abs_f32_m(RelHwPos_HwDeg_T_f32 - AutoCntr_Cnt_T_str->RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32) <= AutoCntr_Cnt_T_str->CnttMicrow_HwDeg_f32) = False TS3.4"(Abs_f32_m(RelHwPos_HwDeg_T_f32 - AutoCntr_Cnt_T_str->RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32)

>CntrWindow_HwDeg_f32)=False

(AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_TRUE_CNT_LGC)=False"

TS3.5"((AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_FALSE_CNT_LGC) &&

(Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16))=False"

TS3.6(AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=True

TS3.6(AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=True

TS3.6(AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=True

(VehicleSpeed_Kph_T_f32 >= AutoCntr_Cnt_T_str->VehSpd_kph_f32) = True&&

(VehSpdValid_Cnt_T_lgc == D_TRUE_CNT_LGC) = True&&

(AbsFiltPinTrq_HwNm_T_f32 <= (AutoCntr_Cnt_T_str->FiltPinTrq_HwNm_f32))=False)"

TS3.8"((AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_FALSE_CNT_LGC)=True&&

(Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16) = False)"

TS3.9"((AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_FALSE_CNT_LGC) = True&&

(Timer1Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer1Thresh_mS_u16) = False)"

TS3.10"((Abs_f32_m(MotorVelCRF_MtrRadpS_T_f32) <= AutoCnt_Cnt_T_str->MtrVel_MtrRadpS_f32) = True&&

(VehicleSpeed_Kph_T_f32 >= AutoCntr_Cnt_T_str->FiltPinTrq_HwNm_f32)))"

Test Step 3.1 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_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	





Name	Input Value		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3533260288		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000503999996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000503999996		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1312.33826	-1312.33826 ± 0.1	-
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 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.338257	424.338257 ± 0.0009	-
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓

Test Step 3.2 (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_CurrentTir	me		
MotorVelCRF_MtrRadpS_T_f32	0			
RelHwPos_HwDeg_T_f32	-888			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	216			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	812314880			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000506000011			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000506000011			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088			
tgt_GetSystemTime_mS_u32_CurrentTime	954802432			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	-1312.33569	-1312.33557 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680	~	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	812314880	812314880	~	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888 ± 0.0009	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.335632	424.335632 ± 0.0009	~	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	~	

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Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~

Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str	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_Cu	rrentTime		
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	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	0.000508000026			
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	Resul	
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 ± 0.0009	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.333008	424.333008 ± 0.0009	•	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 3.4 (Repeat Count = 1)		✓
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_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	



Name	Input Value		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2704864000		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000509999983		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000509999983		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1313	-1313 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	887.094238	887.094238 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425 ± 0.0009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	~

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 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	53759		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	85		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000511999999		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	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 ± 0.0009	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.327759	424.327759 ± 0.0009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~





Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	~	

Test Step 3.6 (Repeat Count = 1) Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)		tqt_Nuociti_Cit_i_sti tqt_DtrmnElapsedTime mS_u32_ElapsedTime		
FiltPinTrq HwNm T f32	5			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Cu	rrontTimo		
MotorVelCRF MtrRadpS T f32	0	nent ine		
RelHwPos HwDeg T f32	-888			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed Kph T f32	216			
tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32	120			
tgt AutoCntr Cnt T str.VehSpd kph f32	34			
tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32	5			
tgt AutoCntr Cnt T str.CntrWindow HwDeg f32	53759			
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 ± 0.0009	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888 ± 0.0009	-	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	-	

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

Test Step 3.7 (Repeat Count = 1)	🗸
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	15
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	63
RelHwPos_HwDeg_T_f32	-1753
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	43128
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



Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000515999971		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1753		
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	-1887	-1887 ± 0.009	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1753	-1753 ± 0.009	~
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

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

Test Step 3.8 (Repeat Count = 1)			~
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
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	53759		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	85		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000517999986		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000517999986		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	500		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1313	-1313 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc	1	1	~

Test Step Call Trace				✓
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	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u	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			
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	0.000520000001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001	0.000520000001		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	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 ± 0.0009	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425 ± 0.0009	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	~	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~

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_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	0
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

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Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1313	-1313 ± 0.1	~
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416	3345084416	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425 ± 0.0009	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	~

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

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VehDyn_Trns1



Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Trns1

Instrumentation: Test Object Only

Statement (C0) 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)\VehDyn\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS=-Dconst=-Dstatic=-Dexpf=exp-I\$(PROJECTROOT)\VehDyn\utp\contract\Ap_VehDyn -I\$(PROJECTROOT)\VehDyn \utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools \compiler\tms470\include

lame	Text
lodule 'VehDyn'	**************************************
	Name of Tester:Sunita Kore Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3 Module Design Document:VehDyn_MDD.docx Module Design Document Version:4 Data Dictionary Version:5 Unit Test Plan Version:2 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 1.30 Total FLASH Used (Bytes):188 Total RAM Used (Bytes):188 Total CALS Used (Bytes):107 Special Test Requirements:
	Test Date:9/19/2014 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for refernce.
	NOTE3:Regarding DD Modification:- DD: Received Version: 4 Modified version: 5 Range of variables "VehDyn_MinOffset_HwDeg_M_f32" and "VehDyn_MaxOffset_HwDeg_M_f32" are updated in DD with highlighted portion.
	-

Attributes	
Name	Value
Compiler Install Path	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src

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VehDyn_Trns1



Attributes	
Name	Value
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 3.2</pre>
Time Unit	Cycles
Timer Enabled	false
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:

 $TS1.1Shortest\ Execution\ Path=>(HandWheelAuth_Uls_T_f32>=k_SLPMinHwAuthToStoreHwPos_Uls_f32)=TRUE\ TS1.2Longest\ Execution\ Path=>(HandWheelAuth_Uls_T_f32>=k_SLPMinHwAuthToStoreHwPos_Uls_f32)=FALSE\ TS1.2Longest\ Execution\ Path=>(HandWheelAuth_Uls_T_f32>=k_SLPMinHwAuthToStoreHwPos_Uls_f32)=FALSE\ TS1.2Longest\ Execution\ Path=>(HandWheelAuth_Uls_T_f32>=k_SLPMinHwAuthToStoreHwPos_Uls_f32)=FALSE\ TS1.2Longest\ Execution\ Path=>(HandWheelAuth_Uls_T_f32)=FALSE\ TS1.2Longest\ Execution\ Path=>(HandWheelAuth_Execution\ Path=>(HandWheelAut$

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		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	✓

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

Test Step 1.2 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.291999996		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	~
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	0	0	~

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



Test Case 2: Boundary Test

Specification

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

CPU Cycles:

TS2.1 599.00 Cycles TS2.2 534.00 Cycles TS2.3 534.00 Cycles TS2.3 534.00 Cycles TS2.4 534.00 Cycles TS2.5 534.00 Cycles TS2.6 534.00 Cycles TS2.8 580.00 Cycles TS2.8 580.00 Cycles TS2.10 534.00 Cycles TS2.11 534.00 Cycles

Vector Description: Description

TS2.1All Min TS2.2All Max

TS2.2All Max
TS2.3HandwheelPosition_HwDeg_f32 = Min
TS2.4HandwheelPosition_HwDeg_f32 = Max
TS2.5HandwheelPosition_HwDeg_f32 = Zero
TS2.6HandwheelPosition_HwDeg_f32 = Zero
TS2.6HandwheelPosition_HwDeg_f32 = Pos
TS2.7HandwheelPosition_HwDeg_f32 = Neg
TS2.8HwAuth_Uls_f32 = Min
TS2.9HwAuth_Uls_f32 = Miax
TS2.10HwAuth_Uls_f32 = Pos
TS2.11k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Min
TS2.12k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Max
TS2.13k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Pos

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		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	~

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

Test Step 2.2 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	1		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition	n_HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2	2	
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		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	✓

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

Test Step 2.3 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.112000003
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2

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Name	Input Value		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.986999989		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	✓

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

Test Step 2.4 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.148000002		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.976800025		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	✓

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

Test Step 2.5 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.184		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	0		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.966600001		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	~

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

Test Step 2.6 (Repeat Count = 1)			· ·
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.219999999		
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.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		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	•
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	1458.12	1458.12	

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



Test Step 2.7 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.256000012		
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.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		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-145.25	-145.25	•

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

Test Step 2.8 (Repeat Count = 1)	Test Step 2.8 (Repeat Count = 1)		
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.291999996		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	~

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

Test Step 2.9 (Repeat Count = 1)	Test Step 2.9 (Repeat Count = 1)		
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.328000009		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-887.200012		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-887.200012	-887.200012	✓

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



Test Step 2.10 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.363999993		
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.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		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	989.140015	989.140015	~

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

Test Step 2.11 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1014.15399		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.905399978		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	-
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1014.15399	-1014.15399	V

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

Test Step 2.12 (Repeat Count = 1)			_
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	1		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_l	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.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		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	✓

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

Test Step 2.13 (Repeat Count = 1)			~
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.472000003		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelP	osition_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.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		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	•

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Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	893.23999	893.23999	~

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

Test Case 3: Path Test

Specification

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

CPU Cycles:

TS3.1 599.00 Cycles TS3.2 580.00 Cycles

Description Vector Description:

 $\label{thm:continuous} TS3.1(HandWheelAuth_Uls_T_f32>= k_SLPMinHwAuthToStoreHwPos_Uls_f32)=TRUE\\ TS3.2(HandWheelAuth_Uls_T_f32>= k_SLPMinHwAuthToStoreHwPos_Uls_f32)=FALSE\\ TS3.2(HandWheelAuth_Uls_T_f32>= k_SLPMinHwAuthToStoreHwPos_Uls_f32>= k_SLPMinHwA$

Test Step 3.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	~

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

Test Step 3.2 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.291999996		
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.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	~
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	~

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

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VehDyn_Per1

 Project
 VehDyn

 Module
 VehDyn

 Test Object
 VehDyn_Per1

Statistics

Total Testcases	3

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)\VehDyn\src\Ap_VehDyn.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -Dexpf=exp -l\$(PROJECTROOT)\VehDyn\utp\contract\Ap_VehDyn -l\$(PROJECTROOT)\VehDyn \utp\contract -l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT)\StdDef\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools \compiler\tms470\include

lame	Text
lodule 'VehDyn'	**************************************
	Name of Tester:Sunita Kore Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3
	Module Design Document:VehDyn_MDD.docx Module Design Document Version:4
	Data Dictionary Version:5 Unit Test Plan Version:2
	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 1.30 Total FLASH Used (Bytes):2054
	Total RAM Used (Bytes):188 Total CALS Used (Bytes):107
	Special Test Requirements: Test Date:9/19/2014
	Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
	NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for refernce.
	NOTE3:Regarding DD Modification:- DD:
	Received Version: 4 Modified version: 5 Range of variables "VehDyn_MinOffset_HwDeg_M_f32" and "VehDyn_MaxOffset_HwDeg_M_f32" are updated in DD with highlighted portion.
	•

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
InitSrcDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\src</pre>
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre>
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 3.2</pre>
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
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 2517.00 Cycles Shortest Execution Path TS1.2 5302.00 Cycles Longest Execution Path

Description Vector Description:

Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target 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	200.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	42.099985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrDetSpd_M_str.TimerThresh_mS_u16	39056
/ehDyn_AutoCntrDetSpd_M_str.Timer2Trilesn_ins_u10 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
· - ·	274107514
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
/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	125.099998
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.79999995
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.5
/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	2345892861
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000449999992
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
/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	200.100006
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	274107514

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.4999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405
VehDyn_PinTrqSV_M_str.SV_UIs_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 1
k_HiSpdVDAuthority_UIs_f32	0.330000013
k_LoSpdVDAuthority_UIs_f32 k_SysKinRatio_MtrDegpHwDeg_f32	10.0200005
k_TravelXCDeadband_Uls_f32	1.25
k_TraveIXCHwAuthority_Uls_f32	0.0153999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target 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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1438.15002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	375.23999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1350
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-2400.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter1mittalized Cnt Igc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4243378688
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-3200 ± 0.009
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.Timer1_mS_u32	4211268631
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	274107514
venbyn_nateenateepa_w_st. ninerz_me_dez	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
	-2400.1001 ± 0.009 -1482.09998 ± 0.009
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	-1482.09998 ± 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	-1482.09998 ± 0.009 1 0 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1482.09998 ± 0.009 1 0 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	-1482.09998 ± 0.009 1 0 0 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	-1482.09998 ± 0.009 1 0 0 1 1 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-1482.09998 ± 0.009 1 0 0 1 1 1 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	-1482.09998 ± 0.009 1 0 0 1 1 1 1

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Name	Expected Value
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.7955575 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	· ·
/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	-3200
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-006
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	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	-3200
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-006
	0
/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	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19
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	-3200
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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 Igc	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
	280
/ehDyn_MaxOffset_HwDeg_M_f32 /ehDyn MinOffset HwDeg M f32	-1440.10999





Name	Input Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51000006e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	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_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_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 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
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	0
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	180
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	1
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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	-3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 180 ± 0.0009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV_Uls f32	180 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	180
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
	-18.7999992 ± 0.00009
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-10.7999992 I 0.00009
VehDyn_PinTrqSV_M_str.SV_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0±0.004

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Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
DtrmnElapsedTime_mS_u32	1
GetSystemTime_mS_u32	1
DtrmnElapsedTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	2
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

VehDyn_Per1

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Test Case 2: Boundary Test

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VehDyn_Per1



Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) TS2.1 2641.00 Cycles TS2.2 2525.00 Cycles TS2.3 2437.00 Cycles TS2.4 3430.00 Cycles TS2.4 3430.00 Cycles
TS2.5 2406.00 Cycles
TS2.5 2406.00 Cycles
TS2.6 3833.00 Cycles
TS2.7 2402.00 Cycles
TS2.9 2400.00 Cycles
TS2.9 2400.00 Cycles
TS2.10 3447.00 Cycles
TS2.11 2358.00 Cycles
TS2.12 3464.00 Cycles
TS2.13 2362.00 Cycles
TS2.14 3403.00 Cycles
TS2.15 2401.00 Cycles
TS2.15 2401.00 Cycles
TS2.16 3435.00 Cycles
TS2.17 2353.00 Cycles
TS2.18 3379.00 Cycles
TS2.19 2399.00 Cycles
TS2.19 2399.00 Cycles TS2.19 2399.00 Cycles
TS2.20 3549.00 Cycles
TS2.21 2474.00 Cycles
TS2.22 3460.00 Cycles
TS2.23 2426.00 Cycles
TS2.24 3435.00 Cycles
TS2.25 2466.00 Cycles
TS2.26 3416.00 Cycles
TS2.27 2383.00 Cycles
TS2.28 3406.00 Cycles
TS2.29 2415.00 Cycles
TS2.30 3369.00 Cycles
TS2.31 2383.00 Cycles
TS2.32 3426.00 Cycles
TS2.33 2381.00 Cycles TS2.32 3420.00 Cycles TS2.33 2381.00 Cycles TS2.34 3339.00 Cycles TS2.35 2407.00 Cycles TS2.36 3432.00 Cycles TS2.37 2394.00 Cycles TS2.38 3328.00 Cycles TS2.39 3352.00 Cycles TS2.39 3352.00 Cycles TS2.40 2381.00 Cycles TS2.41 3455.00 Cycles TS2.42 2956.00 Cycles TS2.43 3422.00 Cycles TS2.44 2409.00 Cycles TS2.45 3426.00 Cycles TS2.46 2341.00 Cycles TS2.47 3367.00 Cycles TS2.48 2394.00 Cycles TS2.49 3480.00 Cycles TS2.50 2370.00 Cycles TS2.51 3402.00 Cycles TS2.51 3402.00 Cycles TS2.52 2417.00 Cycles TS2.53 3470.00 Cycles TS2.54 2357.00 Cycles TS2.55 3389.00 Cycles TS2.55 2389.00 Cycles TS2.55 2389.00 Cycles TS2.56 2411.00 Cycles TS2.57 3416.00 Cycles TS2.59 3405.00 Cycles TS2.60 2432.00 Cycles TS2.60 2432.00 Cycles TS2.61 3419.00 Cycles TS2.63 3307.00 Cycles TS2.64 3426.00 Cycles TS2.65 2304.00 Cycles TS2.66 3415.00 Cycles TS2.67 2356.00 Cycles TS2.68 3433.00 Cycles TS2.69 2301.00 Cycles TS2.69 2301.00 Cycles TS2.70 3401.00 Cycles TS2.71 2396.00 Cycles TS2.72 2317.00 Cycles TS2.73 3456.00 Cycles TS2.74 2326.00 Cycles TS2.75 3365.00 Cycles TS2.76 2438.00 Cycles TS2.77 3514.00 Cycles TS2.78 2370.00 Cycles TS2.79 3413.00 Cycles TS2.80 3507.00 Cycles TS2.81 3422.00 Cycles TS2.82 2298.00 Cycles TS2.82 2298.00 Cycles TS2.83 3387.00 Cycles TS2.84 2331.00 Cycles TS2.85 3493.00 Cycles TS2.86 2326.00 Cycles TS2.87 3376.00 Cycles TS2.88 2376.00 Cycles TS2.88 2376.00 Cycles TS2.90 2295.00 Cycles TS2.91 3532.00 Cycles TS2.92 2352.00 Cycles TS2.93 3388.00 Cycles TS2.94 2298.00 Cycles TS2.95 3315.00 Cycles TS2.96 3550.00 Cycles TS2.97 3431.00 Cycles TS2.98 2295.00 Cycles TS2.98 2295.00 Cycles
TS2.99 3438.00 Cycles
TS2.101 2356.00 Cycles
TS2.101 3426.00 Cycles
TS2.102 2324.00 Cycles
TS2.103 3368.00 Cycles
TS2.104 3444.00 Cycles
TS2.105 2364.00 Cycles
TS2.106 3407.00 Cycles
TS2.107 2394.00 Cycles
TS2.108 3430.00 Cycles



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VehDyn_Per1



TS2.109 TS2.110 2366.00 Cycles 3413.00 Cycles TS2.111 2306.00 Cvcles TS2.112 TS2.113 3424.00 Cycles 3524.00 Cycles 2335.00 Cycles 3393.00 Cycles 2366.00 Cycles 3418.00 Cycles 2340.00 Cycles TS2.114 TS2 115 TS2.115 TS2.116 TS2.117 TS2.118 2340.00 Cycles 3370.00 Cycles 2353.00 Cycles 3449.00 Cycles 3516.00 Cycles 3419.00 Cycles 2339.00 Cycles 3405.00 Cycles TS2.119 TS2.120 TS2.121 TS2.122 TS2.123 TS2.124 TS2.125 3405.00 Cycles 2321.00 Cycles 3326.00 Cycles 2440.00 Cycles 3420.00 Cycles 345.00 Cycles 2365.00 Cycles 2366.00 Cycles 2798.00 Cycles TS2.126 TS2.127 TS2.127 TS2.128 TS2.129 TS2.130 TS2.131 TS2.132 3472.00 Cycles
2298.00 Cycles
2398.00 Cycles
3449.00 Cycles
3370.00 Cycles
3372.00 Cycles
3372.00 Cycles
3372.00 Cycles
2344.00 Cycles
2295.00 Cycles
2496.00 Cycles
2491.00 Cycles
2409.00 Cycles
2409.00 Cycles
2409.00 Cycles
3381.00 Cycles
3444.00 Cycles
3444.00 Cycles
3344.00 Cycles
3349.00 Cycles TS2.133 TS2.134 TS2.135 TS2.136 TS2.137 TS2.138 TS2.130 TS2.139 TS2.140 TS2.141 TS2.142 TS2.142 TS2.143 TS2.144 TS2.145 TS2.146 TS2.147 TS2.148 TS2.148 TS2.150 TS2.151 TS2.152 TS2.153 3399.00 Cycles 2380.00 Cycles 2352.00 Cycles 3442.00 Cycles 2295.00 Cycles TS2.154 TS2.155 TS2.156 3373.00 Cycles 2452.00 Cycles 2452.00 Cycles 3460.00 Cycles 3484.00 Cycles 2326.00 Cycles 2425.00 Cycles 2400.00 Cycles 3420.00 Cycles 3434.00 Cycles 3431.00 Cycles 3439.00 Cycles TS2.157 TS2.158 TS2.159 TS2.160 TS2.161 TS2.162 TS2.163 TS2.164 TS2.165 TS2.166 TS2.167 TS2.168 3430.00 Cycles 1422.00 Cycles 3477.00 Cycles 2400.00 Cycles TS2.169 TS2.170 TS2.171 TS2.171 3390.00 Cycles 2412.00 Cycles 4558.00 Cycles 2353.00 Cycles 2355.00 Cycles 2355.00 Cycles 3399.00 Cycles 2392.00 Cycles TS2.173 TS2.174 TS2.175 TS2.176 TS2.177 2392.00 Cycles 3425.00 Cycles 2439.00 Cycles 3381.00 Cycles 3425.00 Cycles 2345.00 Cycles 2317.00 Cycles 2317.00 Cycles 2318.00 Cycles TS2.177 TS2.178 TS2.179 TS2.180 TS2.181 TS2.181 TS2.182 TS2.183 TS2.184 TS2.185 2318.00 Cycles TS2.186 TS2.187 3381.00 Cycles 2302.00 Cycles 3438.00 Cycles 2312.00 Cycles 3436.00 Cycles 2407.00 Cycles 3455.00 Cycles TS2.188 TS2.189 TS2.190 TS2.191 TS2.192 TS2.193 TS2.194 TS2.195 TS2.196 2434.00 Cycles 2416.00 Cycles 3406.00 Cycles 2320.00 Cycles TS2.196 TS2.197 TS2.198 TS2.199 TS2.200 TS2.201 2320.00 Cycles 3414.00 Cycles 2317.00 Cycles 3458.00 Cycles 2451.00 Cycles 2335.00 Cycles 3439.00 Cycles 2276.00 Cycles 2446.00 Cycles TS2.201 TS2.202 TS2.203 TS2.204 2276.00 Cycles 3446.00 Cycles 2462.00 Cycles 3448.00 Cycles 3556.00 Cycles 2355.00 Cycles TS2 205 TS2.206 TS2.207 TS2.208 TS2.209 TS2.210 2404.00 Cycles 2382.00 Cycles





Description Vector Description:

```
TS2.1All Min
 TS2.2All Max
 TS2.3VehicleSpeed_Kph_f32 = Min
TS2.4VehicleSpeed_Kph_f32 = Max
TS2.5VehicleSpeed_Kph_f32 = Pos
 TS2.6HwTorque_HwNm_f32 = Min
TS2.7HwTorque_HwNm_f32 = Max
TS2.8HwTorque_HwNm_f32 = Zero
TS2.9hwTorque_HwNm_f32 = Pos
TS2.9hwTorque_HwNm_f32 = Neg
TS2.10HwTorque_HwNm_f32 = Neg
TS2.11TorqueCmdCRF_MtrNm_f32 = Min
TS2.12TorqueCmdCRF_MtrNm_f32 = Max
TS2.13TorqueCmdCRF_MtrNm_f32 = Pos
TS2.14TorqueCmdCRF_MtrNm_f32 = Pos
TS2.14TorqueCmdCRF_MtrNm_f32 = Pos TS2.15TorqueCmdCRF_MtrNm_f32 = Neg TS2.16VehicleSpeedValid_Cnt_lgc = Min TS2.17VehicleSpeedValid_Cnt_lgc = Max TS2.18MotorVelCRF_MtrRadpS_f32 = Min TS2.19MotorVelCRF_MtrRadpS_f32 = Zero TS2.21MotorVelCRF_MtrRadpS_f32 = Zero TS2.21MotorVelCRF_MtrRadpS_f32 = Pos TS2.22MotorVelCRF_MtrRadpS_f32 = Neg TS2.23RelHwPos_HwDeg_f32 = Min TS2.24RelHwPos_HwDeg_f32 = Max TS2.25RelHwPos_HwDeg_f32 = Max TS2.25RelHwPos_HwDeg_f32 = Zero
 TS2.25RelHwPos_HwDeg_f32= Zero
TS2.26RelHwPos_HwDeg_f32 = Pos
TS2.27RelHwPos_HwDeg_f32 = Neg
TS2.27RelHwPos_HwDeg_f32 = Neg
TS2.28K_SysKinRatio_MtrDegpHwDeg_f32 = Min
TS2.29K_SysKinRatio_MtrDegpHwDeg_f32 = Max
TS2.30K_SysKinRatio_MtrDegpHwDeg_f32 = Pos
TS2.30K_SysKinRatio_MtrDegpHwDeg_f32 = Pos
TS2.31VehDyn_PinTrqSV_M_Str.SV = Min
TS2.32VehDyn_PinTrqSV_M_Str.SV = Max
TS2.33VehDyn_PinTrqSV_M_Str.SV = Pos
TS2.34VehDyn_PinTrqSV_M_Str.SV = Pos
TS2.34VehDyn_PinTrqSV_M_Str.SV = Pos
TS2.36VehDyn_PinTrqSV_M_Str.K= Min
TS2.37VehDyn_PinTrqSV_M_Str.K= Min
TS2.37VehDyn_PinTrqSV_M_Str.K = Mia
TS2.38VehDyn_PinTrqSV_M_Str.K = Mid
TS2.39VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Min
TS2.40VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Max
TS2.41VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
 TS2.41VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
TS2.42VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Min
TS2.43VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Max
 TS2.44VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Pos
TS2.45VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS2.46VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS2.47VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS2.48VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32= Min
TS2.49VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Max
  TS2.50VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Pos
 TS2.51VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16= Min
TS2.52VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 = Max
  TS2.53VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16= Pos
 TS2.54VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 = Min
TS2.55VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16= Max
TS2.56VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16= Pos
 TS2.57VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Min
TS2.58VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Max
TS2.59VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Zero
 TS2.60VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Pos
 TS2.61VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg
TS2.62VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min
TS2.63VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max
 TS2.64VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Mid
TS2.65VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Min
TS2.66VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Max
 TS2.67VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Zero TS2.68VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos TS2.69VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Neg
 TS2.70VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS2.71VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Max
TS2.72VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid
 TS2.73VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Min
TS2.74VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Max
TS2.75VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Pos
 TS2.76VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32= Min
TS2.77VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32= Max
TS2.78VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32= Pos
TS2.78VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32= Pos
TS2.79VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Min
TS2.80VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Max
TS2.81VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Pos
TS2.82VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Min
TS2.83VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Max
TS2.84VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 = Pos
TS2.85VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 = Pos
TS2.85VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS2.86VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS2.88VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Min
TS2.89VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Min
 TS2.89VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 = Max
TS2.90VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Pos
TS2.91VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Min
  TS2.92VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max
 TS2.93VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Pos
TS2.94VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Min
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TS2.95VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 = Max
TS2.96VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 = Pos
TS2.97VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Min
TS2.98VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Max
TS2.99VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Zero TS2.100VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Pos TS2.101VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg
TS2.102VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K= Min
TS2.103VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max
TS2.104VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K= Mid
TS2.104VeIDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = Min TS2.105VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Min TS2.106VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Max TS2.107VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Zero TS2.108VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Pos TS2.109VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Neg TS2.110VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K = Min TS2.114VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K = Min TS2.114VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K = Min TS2.114VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K = Min TS2.114VehDyn_AutoCntrLoSpd_M_str.ReiHwDes_str.SV=Monty
TS2.111VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mint
TS2.111VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mint
TS2.112VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mint
TS2.113VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Mint
TS2.114VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Max
TS2.115VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Pos
TS2.116VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Min
TS2.117VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Max
TS2.118VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Pos
TS2.119VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Min
TS2.120VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Max
TS2.121VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
TS2.122VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 = Min
TS2.123VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 = Max
 TS2.124VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32= Pos
TS2.125VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32= Min
TS2.126VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS2.127VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS2.128VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Min
TS2.129VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Max
TS2.130VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Pos
TS2.131VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 = Min
TS2.132VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16= Max
TS2.133VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 = Pos
TS2.134VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Min
TS2.135VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16= Max
TS2.136VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16= Pos
TS2.137VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Min
TS2.138VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Max
TS2.139VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Zero
TS2.140VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Pos
TS2.141VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV= Neg
TS2.142VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K = Min
TS2.143VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max
TS2.144VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Mid
TS2.145VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Mid
TS2.146VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Max
TS2.147VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Zero
TS2.148VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos
 TS2.149VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV = Neg
TS2.150VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS2.151VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Max
TS2.152VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid
TS2.153VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32= Min
TS2.154VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 = Max
TS2.155VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 = Pos
TS2.156VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32= Min
TS2.157VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 = Max
TS2.158VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 = Pos
TS2.159k_HiSpdVDAuthority_Uls_f32 = Min
TS2.160k_HiSpdVDAuthority_Uls_f32= Max
TS2.161k_HiSpdVDAuthority_Uls_f32= Pos
TS2.162k_LoSpdVDAuthority_Uls_f32= Min
TS2.163k_LoSpdVDAuthority_UIs_f32= Max
TS2.164k_LoSpdVDAuthority_UIs_f32= Pos
TS2.165VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc= Min
TS2.166VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc = Max
TS2.167VehDyn_LoSpdLearnt_Cnt_M_lgc= Min
TS2.168VehDyn_LoSpdLearnt_Cnt_M_lgc = Max
TS2.169VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc = Min
TS2.170VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc= Max
TS2.171VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc = Min
TS2.172VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc = Max
TS2.173VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc= Min
TS2.174VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc= Max
TS2.174VenDyn_HiSpdLearnt_Cnt_M_lgc = Min
TS2.175VehDyn_HiSpdLearnt_Cnt_M_lgc = Max
TS2.177DtrmnElapsedTime_mS_u32 = Min
TS2.178DtrmnElapsedTime_mS_u32 = Max
TS2.179DtrmnElapsedTime mS_u32 = Pos
TS2.180GetSystemTime_mS_u32 = Min
TS2.181GetSystemTime_mS_u32 = Max
TS2.182GetSystemTime_mS_u32 = Max
TS2.182GetSystemTime_mS_u32 = Pos
TS2.183CwEOT_HwDeg_f32 = Min
TS2.184CwEOT_HwDeg_f32 = Max
TS2.185 CwEOT_HwDeg_f32 = Pos
TS2.186 CcwEOT_HwDeg_f32 = Min
TS2.187CcwEOT_HwDeg_f32 = Max
 TS2.188CcwEOT_HwDeg_f32 = Neg
TS2.189VehDyn_Initialize_Cnt_M_lgc = Min
TS2.190VehDyn_Initialize_Cnt_M_lgc = Max
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TS2.191VehDyn_MaxOffset_HwDeg_M_f32 = Min
TS2.192VehDyn_MaxOffset_HwDeg_M_f32 = Max
TS2.193VehDyn_MaxOffset_HwDeg_M_f32 = Pos
TS2.194VehDyn_MinOffset_HwDeg_M_f32 = Pos
TS2.194VehDyn_MinOffset_HwDeg_M_f32 = Max
TS2.195VehDyn_MinOffset_HwDeg_M_f32 = Max
TS2.196VehDyn_MinOffset_HwDeg_M_f32 = Neg
TS2.197k_TravelXCDeadband_Uls_f32 = Min
TS2.198k_TravelXCDeadband_Uls_f32 = Max
TS2.199k_TravelXCDeadband_Uls_f32 = Pos
TS2.200k_TravelXCHwAuthority_Uls_f32 = Min
TS2.201k_TravelXCHwAuthority_Uls_f32 = Max
TS2.201k_TravelXCHwAuthority_Uls_f32 = Pos
TS2.203VehDyn_SLPHwPos_HwDeg_M_f32 = Min
TS2.204VehDyn_SLPHwPos_HwDeg_M_f32 = Max
TS2.205VehDyn_SLPHwPos_HwDeg_M_f32 = Pos
TS2.206VehDyn_SLPHwPos_HwDeg_M_f32 = Pos
TS2.207VehDyn_SLPHwPos_HwDeg_M_f32 = Neg
TS2.208VehDyn_SLPHwPos_HwDeg_M_f32 = Neg
TS2.208VehDyn_SLPHwAuth_Uls_M_f32 = Min
TS2.209VehDyn_SLPHwAuth_Uls_M_f32 = Min
TS2.209VehDyn_SLPHwAuth_Uls_M_f32 = Min

Test Step 2.1 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	-3200	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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	-3200	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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.Filter2Initialized_Cnt_Igc	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	-3200	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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_HiSpdLearnt_Cnt_M_lgc	0	
VehDyn_Initialize_Cnt_M_lgc	0	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	

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Name	Input Value
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	2.51000006e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1350
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-3200
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
V-bD A-4-O-4-D-4O-4 M -4- TiC C C CC	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009 -3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	-3200 ± 0.009 -3200 ± 0.009 0 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	-3200 ± 0.009 -3200 ± 0.009 0 0 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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_AutoCntrHiSpd_M_str.Timer1_mS_u32	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 -3200 \pm 0.009 -3200 \pm 0.009 -3200 \pm 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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 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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.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_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	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.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_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	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 1 0 0
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.RelHwPosFilt1SV_HwDeg_str.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.Filter1Enitialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 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.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.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 VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_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.Filter1Enitialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter1Enitialized_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 360 -1440.10999 -18.7999992 ± 0.00009
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.RelHwPosFilt1SV_HwDeg_str.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.Filter1Enitialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 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.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.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 VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



Fest Step 2.2 (Repeat Count = 1)	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	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	3200
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
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_Igc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255 20
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
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 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3200 0.00125584798
	3200
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
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	3200
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00125584798
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	3200
ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
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_HiSpdLearnt_Cnt_M_lgc	1
ehDyn Initialize Cnt M Igc	1
ehDyn_Initialize_ont_wi_igc	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	0.00125584798
ehDyn_SLPHwAuth_Uls_M_f32	1
ehDyn_SLPHwPos_HwDeg_M_f32	1600
HiSpdVDAuthority_UIs_f32	1
LoSpdVDAuthority Uls f32	1
_sysKinRatio_MtrDegpHwDeg_f32	100
_TravelXCDeadband_Uls_f32	100
_TravelXCHwAuthority_Uls_f32	1
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
arget GetSystemTime mS u32 CurrentTime	4294967295

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm f32
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRadpS f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_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 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	1350
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	3200
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	512
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
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	3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
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	3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
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.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1759.89001
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_UIs_f32	18.7890587 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

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_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	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
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	3.79999995
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	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000449999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.400001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.4999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_Uls_f32	-1482.09998
	0.000650000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	369.15799
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00025099999
VehDyn_SLPHwAuth_Uls_M_f32	0.986999989
VehDyn_SLPHwPos_HwDeg_M_f32	-1589.15002
k_HiSpdVDAuthority_UIs_f32	0.89999976
k_LoSpdVDAuthority_Uls_f32	0.330000013
k_SysKinRatio_MtrDegpHwDeg_f32	10.0200005
k_TravelXCDeadband_Uls_f32	1.25
k_TravelXCHwAuthority_Uls_f32	0.0153999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target_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_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
	-1438.15002
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	375.23999
	375.23999 -9.10000038





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2880.20996
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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.Timer1_mS_u32	4243378688
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
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.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	375.23999
VehDyn_MinOffset_HwDeg_M_f32	-1438.15002
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.7955575 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	280.109985 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51999995e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
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

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Name	Input Value
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	1885.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000782000017
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	457.399994
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	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.54000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
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_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
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
k_HiSpdVDAuthority_UIs_f32	0.349999994
k_LoSpdVDAuthority_UIs_f32	0.889999986
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
rarget_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_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32
	-1431.89001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	386.147003 9.5
target_VehDyn_Per1_HwTorque_HwNm_f32.value target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	9.5 800.869995
target_venDyn_Per1_MotorveiCRF_MtrRadpS_132.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	200.839996
target_VenDyn_Per1_ReinwPos_nwDeg_isz.value target_VenDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_TorqueCmdCkr_Mithin_isz.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	512
ungot_vonDyn_r or r_vonidicopeed_rtpn_loz.value	
Nama	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393 328928812
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	2160073393 328928812 2800.19995 ± 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	2160073393 328928812 2800.19995 ± 0.009 1900.19995 ± 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	2160073393 328928812 2800.19995 ± 0.009





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
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.Timer1_mS_u32	1050692864
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
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_Uls_f32	3.20166588 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.889999986 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	566.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.1000004
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.53000007e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000653999974
/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	456.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	64.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859000022
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.299988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.199969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58869
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	1885.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.58e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000653999974
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	379.141998
VehDyn_MinOffset_HwDeg_M_f32	-1425.78601
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000253000006
VehDyn_SLPHwAuth_Uls_M_f32	0.957000017
VehDyn_SLPHwPos_HwDeg_M_f32	-1568.63
k_HiSpdVDAuthority_Uls_f32	0.660000026
k_LoSpdVDAuthority_Uls_f32	0.800000012
k_SysKinRatio_MtrDegpHwDeg_f32	86.1999969
k_TravelXCDeadband_Uls_f32	4.13000011
k_TravelXCHwAuthority_Uls_f32	0.0178500004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_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_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
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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	-1425.63
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	397.053986
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.119995
target VehDyn Per1 RelHwPos HwDeg f32.value	-2000.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	256.640015
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	1885.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
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.Timer1_mS_u32	3039943680
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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.Timer1_mS_u32	54822322
	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2505150055

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	379.141998
VehDyn_MinOffset_HwDeg_M_f32	574.469971
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40085077 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.660000026 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Fest Step 2.6 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	73.4000015
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.4000015
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.39999962
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.53999997e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655999989
/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	566.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.7999992
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.80000019
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.1399994
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.09998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000126600004
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.30005
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00078599999
/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	73.1999969
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	64.300031
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	9.19999981
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	86.300031
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	53759
/ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	18715
/ehDyn AutoCntrLoSpd M str.Timer1 mS u32	1024
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	2760420810
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1887,19995
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.61999994e-005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995
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_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	7.599999
VehDyn PinTrqSV M str.K Uls f32	0.000254000013
VehDyn SLPHwAuth Uls M f32	0.941999972
VehDyn_SLPHwPos_HwDeg_M_f32	-1558.37
k HiSpdVDAuthority Uls f32	0.870000005
k_LoSpdVDAuthority_UIs_f32	0.69999988
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1419.37
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	407.960999 -10
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.25
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1900.40002
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-1887.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrl_oSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	407.960999
VehDyn MinOffset HwDeg M f32	-1419.37
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59550524 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.69999988 ± 0.004
govalue	0.00000000 ± 0.001





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-899.799988 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.7 (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 Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	7.0999999
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	56.099985
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	13352
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.09998
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.55000009e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	631.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	54.2299995
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000167299993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6999998
	52.7000008
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	7.6999981
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	56.7000008
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
· - · ·	14442
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-1753.09998 2.66000006e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	-1438.09998
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	-1438.09998 0.000658000004
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000658000004
	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
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





Name	Input Value
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
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_LoSpdVDAuthority_Uls_f32	0.560000002
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992
k_TravelXCDeadband_Uls_f32	7.01000023
k_TravelXCHwAuthority_UIs_f32	0.0203000009
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392
target_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_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	-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_MotorVelCRF_MtrRadpS_132.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.69995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.1399994
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-1753.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
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.Timer1_mS_u32	2075080192
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	935.200012 ± 0.0009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	753.099976 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Iqc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.09998 ± 0.009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.09998 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	-1436.09996 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable_Cnt_lgc	0
, = = = = = = = = = = = = = = = = = = =	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	418.868011
VehDyn_MinOffset_HwDeg_M_f32	-1413.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50220323 ± 0.000009
torget Vah Dun Darf Concerless Authority IIIs 622 value	0.75000000 : 0.004
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0.75999999 ± 0.004 -1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 ChecknointReached	1



Test Step 2.8 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	56.2999992	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.2999992	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	21364 52716	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.55999998e-006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00066000002	
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	10.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.1000004 3	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.4000015	
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	3382212733	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000207999998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.2999992	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.5	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.7e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	753.200012 0.00066000002	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.0000000002	
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_HiSpdLearnt_Cnt_M_lgc	0	
VehDyn_Initialize_Cnt_M_lgc	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	
VehDyn_MaxOffset_HwDeg_M_f32	394.118011	
VehDyn_MinOffset_HwDeg_M_f32	-1405.73401	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.6000002	
VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32	0.000255999999 0.912	
VehDyn_SLPHwPos_HwDeg_M_f32	-1537.84998	
k_HiSpdVDAuthority_UIs_f32	0.456	
k_LoSpdVDAuthority_UIs_f32	0.230000004	
k_SysKinRatio_MtrDegpHwDeg_f32	85.0999985	
k_TravelXCDeadband_Uls_f32	8.44999981	
k_TraveIXCHwAuthority_UIs_f32	0.0215249993	
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088	
target_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	

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-1406.84998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	429.774994
target_VehDyn_Per1_HwTorque_HwNm_f32.value	0
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-158.119995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1482.59998
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	1.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.5799999
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012 ± 0.0009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	753.200012 ± 0.0009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	755.200012 ± 0.0009
	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
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.Timer1_mS_u32	954802432
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	394.118011
VehDyn_MinOffset_HwDeg_M_f32	75.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59958589 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.230000004 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.9 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.2000008
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.099976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.57000011e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000661999977
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	88.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
	425.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	
VehDyn_AutoCotrl liSted_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000248700002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1988.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791999977
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	86.6999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.2999992
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	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.099976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.73999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000661999977
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn HiSpdLearnt Cnt M Igc	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
k_HiSpdVDAuthority_UIs_f32	0.123000003
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031
k_TravelXCDeadband_Uls_f32	9.89000034
k_TravelXCHwAuthority_Uls_f32	0.0227499995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776
target_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_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	-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





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753.099976
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.0400009
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.099976 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998 ± 0.009
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.Timer1_mS_u32	2728878080
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.5 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.09998 ± 0.009
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.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.099976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998 ± 0.009
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_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	-647.48999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7947874 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.123000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	75.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.58e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005
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

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000289399992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005
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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1initialized_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	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.78000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005
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_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 0.000257999985
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999965
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn SLPHwPos HwDeg M f32	-1517.32996
k_HiSpdVDAuthority_Uls_f32	0.637000024
k_LoSpdVDAuthority_Uls_f32	0
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1394.32996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	451.588989
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.3000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.455994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.100006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 35.8899994
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
Name Validities Alleged Biological Costs Costs M. Jaco	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VahDun AutoCatrDatCad M atr Times and use	3589476708
	435 300013 + 0.0000
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 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_loc	1988.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	

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Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	451.588989
VehDyn_MinOffset_HwDeg_M_f32	-1394.32996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.79356 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.882000029 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1517.32996 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.11 (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_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	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.58999989e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995
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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000330100011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000796000008
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	2.79999995
	32.5
VehDyn_AutoCotrl_oSpd_M_str.CntrWindow_HwDeg_f32	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
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	-2000.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.82000001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	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
k_HiSpdVDAuthority_Uls_f32	0.278719991
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992
k_TravelXCDeadband_Uls_f32	12.7700005
k_TravelXCHwAuthority_UIs_f32	0.0252
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_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_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	-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	-2500.04004
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	Expected Value
	·
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-2000.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
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.Timer1_mS_u32	309385728
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
	0
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	U
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	462.496002
VehDyn_MinOffset_HwDeg_M_f32	-1388.06995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00006962 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.278719991 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-99.9400024 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	66.9000015
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	86.9000015
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	4,9000001
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	52.9000015
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	29076
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	43868
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	2760420810
'ehDyn AutoCntrDetSpd M str.Timer2 mS u32	4004004657
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.30005
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.60000002e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.30005
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000668000022
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	98.0999985
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.0999985
'ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	6.5
'ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	41.0999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	53946
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2967684784
ehDyn AutoCntrHiSpd M str.Timer2 mS u32	4211268631
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1900.09998
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.0003708
'ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800,30005
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000798000023
'ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	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	66.0999985
'ehDyn AutoCntrLoSpd M str.VehSpd kph f32	86.1999969
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	4.0999999
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	52.2000008
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.30005
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.85999995e-005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000668000022
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	414.085999 -1378.99805
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.3000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000260000001
VehDyn SLPHwAuth Uls M f32	0.851999998
VehDyn_SLPHwPos_HwDeg_M_f32	-1496.81006
k HiSpdVDAuthority Uls f32	0.277799994
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	41.5
k_TravelXCDeadband_Uls_f32	14.21
k_TravelXCHwAuthority_Uls_f32	0.0264250003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408
target_GetSystemTime_mS_u32_CurrentTime	4164171008
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1381.81006 473.403015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.8500038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1235.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2600.6001
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
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.Timer1_mS_u32	4164171008
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005 ± 0.009
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_AutoCotrl oSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4164171008 4004004657
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.30005 ± 0.009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV_HwDeg str.SV Uls f32	-2400.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-2400.30003 £ 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2127.19702
VehDyn MinOffset HwDeg M f32	-1378.99805
VCIDYI_WIIIOII3CC_I WDCg_W_I32	1010.0000
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30071831 ± 0.000009

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Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1496.81006 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	96.8000031
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	41.7999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53946
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
,	-1900.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2.60999991e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
/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	3174948759
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.0999985
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.9000007e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
/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 Igc	0
/ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn Initialize Cnt M Igc	1
/ehDyn_Initialize_Oni_w_ge /ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn MaxOffset HwDeg M f32	419.078003
/ehDyn MinOffset HwDeg M f32	-1372.31396





	Input Value
Name VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
VehDyn PinTrqSV M str.K Uls f32	0.000261000008
VehDyn_SLPHwAuth_Uls_M_f32	0.837000012
VehDyn_SLPHwPos_HwDeg_M_f32	-1486.55005
k HiSpdVDAuthority Uls f32	0.272780001
k LoSpdVDAuthority Uls f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-2400.73999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631 -1900.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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.Timer1_mS_u32	437658624
, =	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 -1482.19995 ± 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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009 -1438.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1482.19995 ± 0.009 -1438.09998 ± 0.009 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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-1482.19995 ± 0.009 -1438.09998 ± 0.009 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784
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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631
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_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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009
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_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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 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.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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 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.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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 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.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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 0 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.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	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 0 0 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.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_LoSpdLearnt_Cnt_M_lgc	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 0 0 1 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.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.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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_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.ReiHerPosFilt2SV_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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 1 1 1 1 1 1 1 1 1 1.1 1.1 1.1 1.1 1.
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_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.ReiHerPosFilt2SV_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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-1482.19995 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 2967684784 4211268631 -1900.5 ± 0.009 2800.1001 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1



Test Step 2.14 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target 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	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.62000003e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438 0.000671999995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	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
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
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452200009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.5
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 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrl.oSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	106.199997
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.94000001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
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_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0
	0
VehDyn_HiSpdLearnt_Cnt_M_lgc 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
k_HiSpdVDAuthority_UIs_f32	0.89999976
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031
k_TravelXCDeadband_Uls_f32	17.0900002
k_TravelXCHwAuthority_UIs_f32	0.0288750008
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	-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	2800.36011
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.400001
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target VehDyn Per1 VehicleSpeed Kph f32.value	456.140015
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.30005 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438 ± 0.009
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_lgc	0
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3941357312
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.5 ± 0.0009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1950.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	1024
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn Initialize Cnt M Iqc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	495.21701
VehDyn_MinOffset_HwDeg_M_f32	-1369.29004
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9977865 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.822000027 ± 0.004
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1476.29004 ± 0.1
a.gat_razyn_r or r_oonoonoooriwr oo_riwbog_loz.valac	

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.15 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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
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

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
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	-753.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.62999993e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.19995
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	1
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	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000492900028
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995
	0.00080400001
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	
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	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.97999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.19995
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 Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	429.062012
	-1358.94604
VehDyn_MinOffset_HwDeg_M_f32	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000262999994
VehDyn_SLPHwAuth_Uls_M_f32	0.806999981
VehDyn_SLPHwPos_HwDeg_M_f32	-1466.03003
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	
	target VenDyn Peri TorqueCmdCRF MtrNm 132
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lqc
target_Rte_Inst_Ap_VehDyn.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_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_Igc 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_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1363.03003
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_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.41003
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-753.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.19995 ± 0.009
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.Timer1_mS_u32	3304439296
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995 ± 0.009
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.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	506.123993
VehDyn_MinOffset_HwDeg_M_f32	-1363.03003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89533329 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.16 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	350.899994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.900002
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.8999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.9000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.64000005e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000676000025
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	120.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136

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Name	
VerbDyn_AutoCntHisped_M_str_TimerTTIMER_mS_u16 53970 VerbDyn_AutoCntHisped_M_str_TimerTIMER_mS_u16 53970 VerbDyn_AutoCntHisped_M_str_TimerT_mS_u32 3766740882 VerbDyn_AutoCntHisped_M_str_Timer_mS_u32 1644464918 VerbDyn_AutoCntHisped_M_str_ReihwPoseFilk1SV_HWDeg_str_K_Uis_132 200.55 VerbDyn_AutoCntHisped_M_str_ReihwPoseFilk1SV_HWDeg_str_K_Uis_132 142 (100006 VerbDyn_AutoCntHisped_M_str_ReihwPoseFilk2SV_HWDeg_str_K_Uis_132 0.000838399989 VerbDyn_AutoCntHisped_M_str_ReihwPoseFilk2SV_HWDeg_str_K_Uis_132 142 (100006 VerbDyn_AutoCntHisped_M_str_Filer_Enable_Cnt_Igc 0 VerbDyn_AutoCntHisped_M_str_Filer_Enable_Cnt_Igc 0 VerbDyn_AutoCntHisped_M_str_Filer_Bimilarized_Cnt_Igc 1 VerbDyn_AutoCntHisped_M_str_Filer_Bimilarized_Cnt_Igc 1 VerbDyn_AutoCntHisped_M_str_Filer_Bimilarized_Cnt_Igc 1 VerbDyn_AutoCntHisped_M_str_Filer_Bimilarized_Cnt_Igc 15.5 VerbDyn_AutoCntHisped_M_str_Filer_Bimilarized_Cnt_Igc 15.5 VerbDyn_AutoCntLoSpd_M_str_Filer_Bimilarized_Cnt_Igc 16.5 VerbDyn_AutoCntLoSpd_M_str_Filer_Bimilarized_Tim_Su_Su_Su_Su_Su_Su_Su_Su_Su_Su_Su_Su_Su_	
VenDryn_AutoCntrHispod_M_str.Timer1 Thresh_mS_u16 53970 VenDryn_AutoCntrHispod_M_str.Timer1_mS_u32 3796740682 VenDryn_AutoCntrHispod_M_str.Timer2_mS_u32 164464918 VenDryn_AutoCntrHispod_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uis_f32 2500.5 VenDryn_AutoCntrHispod_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uis_f32 0.000533599999 VenDryn_AutoCntrHispod_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 0.000535599999 VenDryn_AutoCntrHispod_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 0.000535599999 VenDryn_AutoCntrHispod_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 142.100006 VenDryn_AutoCntrHispod_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 1 VenDryn_AutoCntrHispod_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 350.5 VenDryn_AutoCntrHispod_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 350.5 VenDryn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 16.5 VenDryn_AutoCntrLoSpd_M_str.TimerThresh_mS_uif6 57844 VenDryn_AutoCntrLoSpd_M_str.TimerThresh_mS_uif6 57844 VenDryn_AutoCntrLoSpd_M_str.TimerTryn_SUS2 108648220 VenDryn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 146269988 VenDryn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 1462699888	
VerbDyn_AutoChtHiSpd_M_str.Timert_ms_u32	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3796740882 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 2500.5 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.00053399989 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.00053399989 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.00053399989 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.00080000025 VehDyn_AutoCntrHiSpd_M_str.RelTwBeble_Cnt_Ige 0 VehDyn_AutoCntrHiSpd_M_str.RelTwBeble_Cnt_Ige 0 VehDyn_AutoCntrLiSpd_M_str.RelTwBeble_Cnt_Ige 1 VehDyn_AutoCntrLiSpd_M_str.Betr.TelmBeble_Cnt_Ige 1 VehDyn_AutoCntrLiSpd_M_str.Betr.TelmBeble_Cnt_Ige 1 VehDyn_AutoCntrLiSpd_M_str.Timer1_mS_u15 16.5 VehDyn_AutoCntrLiSpd_M_str.Timer1_mS_u15 38868 VehDyn_AutoCntrLiSpd_M_str.Timer1_mS_u16 38868 VehDyn_AutoCntrLiSpd_M_str.Timer1_mS_u12 3880876708 VehDyn_AutoCntrLiSpd_M_str.Timer1_mS_u12 3880476708 VehDyn_AutoCntrLiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 300000008e-005 VehDyn_AutoCntrLiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 300000008e-005	
VehDyn_AutoCntrHSpd_M_str.ReiHwPosFittSV_HwDeg_str.K_Uis_f32 -2500.5 VehDyn_AutoCntrHSpd_M_str.ReiHwPosFittSV_HwDeg_str.K_Uis_f32 -2500.5 VehDyn_AutoCntrHSpd_M_str.ReiHwPosFittSV_HwDeg_str.K_Uis_f32 0.000533599989 VehDyn_AutoCntrHSpd_M_str.ReiHwPosFittSV_HwDeg_str.K_Uis_f32 0.0005035999999 VehDyn_AutoCntrHSpd_M_str.FitterTenable_Cnt_lgc 0 VehDyn_AutoCntrHSpd_M_str.FitterTenable_Cnt_lgc 0 VehDyn_AutoCntrHSpd_M_str.FitterTintalized_Cnt_lgc 0 VehDyn_AutoCntrHSpd_M_str.FitterTintalized_Cnt_lgc 1 VehDyn_AutoCntrLSpd_M_str.Wei_MtRadpS_f32 128.300003 VehDyn_AutoCntrLSpd_M_str.VehSpd_kph_f32 165.5 VehDyn_AutoCntrLSpd_M_str.VehSpd_kph_f32 16.5 VehDyn_AutoCntrLSpd_M_str.Timer1Tresh_mS_uf6 38868 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_mS_uf6 57944 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_mS_u32 109643620 VehDyn_AutoCntrLSpd_M_str.Timer2Tresh_wS_u32 109643620 VehDyn_AutoCntrLSpd_M_str.ReiHwPosFittSV_HwDeg_str.K_Uis_f32 3020000098-005 VehDyn_AutoCntrLSpd_M_str.ReiHwPosFittSV_HwDeg_str.K_Uis_f32 3020000098-005 VehDyn_AutoCntrLSpd_M_str.ReiHwPosFittSV_HwDeg_str.K_Uis_f32 10000676000025 <tr< td=""><td></td></tr<>	
VenDyn_AutoCnitrHiSpd_M_str_ReiHwPosFittISV_HwDeg_str_K_Uis_f32 VenDyn_AutoCnitrHiSpd_M_str_ReiHwPosFittISV_HwDeg_str_K_Uis_f32 VenDyn_AutoCnitrHiSpd_M_str_ReiHwPosFittISV_HwDeg_str_K_Uis_f32 VenDyn_AutoCnitrHiSpd_M_str_ReiHwPosFittISV_HwDeg_str_K_Uis_f32 VenDyn_AutoCnitrHiSpd_M_str_ReiHwPosFittISV_HwDeg_str_K_Uis_f32 VenDyn_AutoCnitrHiSpd_M_str_Fitter_Enable_Cnt_lgc 0 VenDyn_AutoCnitrHiSpd_M_str_Fitter_Enable_Cnt_lgc 0 VenDyn_AutoCnitrHiSpd_M_str_Fitter_Inablatized_Cnt_lgc 1 VenDyn_AutoCnitrLiSpd_M_str_Fitter_Inablatized_Cnt_lgc 1 VenDyn_Mistr_Fitter_Inablatized_Cnt_lgc 1 VenDyn_Mistr_Fitter_Inablatized_Cnt_lgc 1 VenDyn_Mistr_Fitter_Inablatized_Cnt_lgc 1 VenDyn_Mistr_Fitter_Inablatized_Cnt_lgc 1 VenDyn_Mistr_Fitter_Inablatiz	
VehDyn, AutoCntrHiSpd, M., str. RelithePosFiltSV, HwDeg, str. K. Uis, [32] 0.000533599898 VehDyn, AutoCntrHiSpd, M., str. RelithePosFiltSV, HwDeg, str. K. Uis, [32] 142,100008 VehDyn, AutoCntrHiSpd, M., str. RelithePosFiltSV, HwDeg, str. K. Uis, [32] 0.000606000025 VehDyn, AutoCntrHiSpd, M., str. FilterEnable, Cnt. Igc 0 VehDyn, AutoCntrHiSpd, M., str. FilterEnable, Cnt. Igc 0 VehDyn, AutoCntrHiSpd, M., str. FilterEnable, Cnt. Igc 1 VehDyn, AutoCntrLoSpd, M., str. Wel, Mircades, Idc. Igc 1 VehDyn, AutoCntrLoSpd, M., str. Wel, Mircades, Idc. Igc. 1 VehDyn, AutoCntrLoSpd, M., str. Timer1 Thresh, mS, u16 38808 VehDyn, AutoCntrLoSpd, M., str. Timer1 Thresh, mS, u16 38808 VehDyn, AutoCntrLoSpd, M., str. Timer2 Thresh, mS, u16 57944 VehDyn, AutoCntrLoSpd, M., str. Timer2 Thresh, mS, u22 3699476708 VehDyn, AutoCntrLoSpd, M., str. Timer2 Thresh, mS, u32 109643820 VehDyn, AutoCntrLoSpd, M., str. Riell-WosFiltSV, HwDeg, str. K. Uis, [32] 30,00000000000000000000000000000000000	
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	len f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn.VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn.VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn.Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn.Per1_SensorlessHwtarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCltarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 517.031006 target_VehDyn_Per1_HwTorque_HwNm_f32.value 2.0999999	·
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF, target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDog_f32 target_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessHwPos_HwDog_f32 target_VehDyn.Per1_SensorlessHw target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCltarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed target_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed target_VehDyn_Per1_CcwEOT_HwDog_f32.value 517.031006 target_VehDyn_Per1_HwTorque_HwNm_f32.value 2.0999999	-
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDog_f32 target_VehDyn_Per1_RelHwPos_Hxtarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessHwPos_HwDog_f32 target_VehDyn.VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn.Per1_TorqueCmdCltarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn.VehDyn.Per1_VehicleSpeed target_VehDyn.VehDyn.Per1_VehicleSpeed target_VehDyn.Per1_CcwEOT_HwDog_f32.value	-
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn.VehDyn.VehDyn_Per1_SensorlessAutarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn.VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn.VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn.VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn.Per1_VehicleSpeed_target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 517.031006 target_VehDyn_Per1_HwTorque_HwNm_f32.value 2.0999999	· · · · · · ·
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn.Per1_SensorlessHw target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn.Per1_TorqueCmdCl target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn.Per1_VehicleSpeed target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 517.031006 target_VehDyn_Per1_HwTorque_HwNm_f32.value 2.0999999	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_i32	
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 -1356.77002	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 517.031006 target_VehDyn_Per1_HwTorque_HwNm_f32.value 2.0999999	Kpn_t32
target_VehDyn_Per1_HwTorque_HwNm_f32.value 2.0999999	
· - ·	
target VehDvn Per1 MotorVelCPE MtrPadnS f32 value 835.5	
· - /	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 753.5	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -8	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 0	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 75.9800034	
Name Expected Value	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1	
VehDyn_dutoCntrDetSpd_M_str.Timer1_mS_u32 3589476708	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 109643620	
7 =	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1885.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1	





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.100006 ± 0.0009
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.Timer1_mS_u32	2167769344
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-236.468994
VehDyn_MinOffset_HwDeg_M_f32	-1352.26196
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.896863 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.791999996 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1455.77002 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	136.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.64999994e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000677999982
/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	350.100006
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000574300007
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
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	400.299988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.5
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	18.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.06000002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000677999982
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	439.04599
VehDyn_MinOffset_HwDeg_M_f32	-1345.578
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00026500001
VehDyn_SLPHwAuth_Uls_M_f32	0.77700001
VehDyn SLPHwPos HwDeg M f32	-1445.51001
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.300031
k_TravelXCDeadband_Uls_f32	21.4099998
k_TravelXCHwAuthority_Uls_f32	0.0325499997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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 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	-1350.51001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	527.937988
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.10000002
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1988.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	159.110001
Name	Expected Value
	1
VehDyn_AltoChtrDetSed_M_etr_Timer1_mS_u22	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003 ± 0.0009
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.Timer1_mS_u32	3714197504
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	219286216
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uls_f32	-1900.19995 ± 0.009
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.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	164464918

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	439.04599
VehDyn_MinOffset_HwDeg_M_f32	637.590027
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.7976656 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.779999971 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-87.9000015 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.18 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.66000006e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000679999997
/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	400.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	4.099999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	4211268631
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	274107514
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2400.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000615000026
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.09998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00080999998
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lqc	1
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	600.299988
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	146.600006
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	8.30000019
ehDyn_AutoCntrLoSpd_M_str.CntrWindow HwDeg f32	86.599985
ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	20423
/ehDyn_AutoCntrLoSpd_M_str.TimerTTHresh_ms_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer21filestr_ms_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_us2 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_us2	219286216
, - ,	2600,30005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.0999996e-005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000679999997
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	444.037994
VehDyn_MinOffset_HwDeg_M_f32	-1338.89404
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000265999988 0.762000024
VehDyn_SLPHwPos_HwDeg_M_f32	-1435.25
k HiSpdVDAuthority Uls f32	0.67699986
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	42.5
k_TravelXCDeadband_Uls_f32	22.8500004
k TravelXCHwAuthority Uls f32	0.0337750018
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
target_GetSystemTime_mS_u32_CurrentTime	3323480832
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_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_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	-1344.25
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	538.844971
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.30000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1350
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	357.269989
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.5 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3323480832
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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.Timer1_mS_u32	3323480832
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1 0
VehDyn_LoSpdLearnt_Cnt_M_lgc	-
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	538.844971 -1344.25
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19802499 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.762000024 ± 0.004
target_veribyti_reri_oensonessAuthonty_ois_isz.Value	0.7 02000024 ± 0.004





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1435.25 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.199997
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.1999981
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.66999996e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000682000013
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	600
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.100006
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
'ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2160073393
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812
'ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000655699987
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
	0.000812000013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
/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	200.600006
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.300003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.5999999
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.1399999e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000682000013
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_nispuceam_on_wigc	0
ehDyn_milanze_cit_wi_gc	1
ehDyn_LoSpuLeann_Cnt_w_gc /ehDyn_MaxOffset_HwDeg_M_f32	449.029999
ehDyn_MinOffset_HwDeg_M_f32	-1332.20996

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Name	Input Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000266999996
VehDyn_SLPHwAuth_Uls_M_f32	0.746999979
VehDyn_SLPHwPos_HwDeg_M_f32	-1424.98999
k_HiSpdVDAuthority_Uls_f32	0
k LoSpdVDAuthority UIs f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004
k_TravelXCDeadband_Uls_f32	24.2900009
k TravelXCHwAuthority Uls f32	0.0350000001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
target_GetSystemTime_mS_u32_CurrentTime	71426560
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1337.98999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	549.752014
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1350
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1991.54004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.649994
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
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.Timer1_mS_u32	71426560
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1900.19995 ± 0.009
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.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 1 1
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 1 1 549.752014
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 1 1 1 549.752014 -1337.98999

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn 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_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	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.68000008e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5
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	-1438.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000696400006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000814000028
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 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	16.700008
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	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.1001
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.1799984e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5
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_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_UIs_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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	53.0999985
k_TravelXCDeadband_Uls_f32	25.7299995
k_TravelXCHwAuthority_UIs_f32	0.0362249985
	2728878080
target_DtrmnElapsedTime_mS_u32_ElapsedTime	
target_GetSystemTime_mS_u32_CurrentTime	2430672128
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	2430672128 target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_GetSystemTime_mS_u32_CurrentTime	2430672128

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	-1331.72998
target VehDyn Per1 CwEOT HwDeg f32.value	560.658997
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.25
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	0
target VehDyn Per1 RelHwPos HwDeg f32.value	-2001.54004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0
target VehDyn Per1 VehicleSpeed Kph f32.value	258.880005
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.1001 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1900.5 ± 0.009
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.Timer1 mS u32	2430672128
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.19995 ± 0.009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2430672128
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	328928812
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.1001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	454.022003
VehDyn_MinOffset_HwDeg_M_f32	669.809998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59967661 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.731999993 ± 0.004
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1414.72998 ± 0.1
a.gaazyii_i oi i_oonoonooniwi oo_i iwbog_ioz.valac	255 2 5.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.21 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	176.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
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	-1438.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.68999997e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000685999985
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	457
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	43128
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000737100025
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
	0.000815999985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000613999965
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.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.600006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.7000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.22000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000685999985
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 Igc	0
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	459.014008
VehDyn_BinTrasY/ M. etc.SY/ Lile, #32	-1318.84204
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000269000011
VehDyn_SLPHwAuth_Uls_M_f32	0.717000008
VehDyn_SLPHwPos_HwDeg_M_f32	-1404.46997
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	27.1700001
k_TravelXCHwAuthority_Uls_f32	0.0374500006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	2242866176
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1325.46997
targot_vonDyn_i or i_oowEO i_riwDog_loz.value	571.565979
target VehDyn Perl CWEOT HyDog (22 yelle	
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	-2.1500001 1100.43994





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2013.41003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	369.170013
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-1438.59998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005 ± 0.009
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.Timer1_mS_u32	2242866176
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.400024 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1441.84399
VehDyn_MinOffset_HwDeg_M_f32	-1318.84204
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49902284 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.717000008 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1404.46997 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.22 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.7000001e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
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	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777799985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 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_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.26000008e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	-1482.19995 0.000688
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.00088
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 HiSpdLearnt Cnt M Igc	0
VehDyn_Initialize_Cnt_M_lgc	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
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0.800000012 96.5
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	28.6100006
k_TravelXCHwAuthority_UIs_f32	0.038674999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	2269150976
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_kte_inst_Ap_venDyn.venDyn_Peri_veniclespeed_kpn_t32 target_VehDyn_Peri_CcwEOT_HwDeg_f32.value	-1319.20996
target VehDyn Per1 CwEOT_HwDeg_l32.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	1947.64001
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
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VehDyn_Per1



Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
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.Timer1_mS_u32	2269150976
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	582.473022
VehDyn_MinOffset_HwDeg_M_f32	-1319.20996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60149491 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.800000012 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.59998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.7099999e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000690000015
/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	539.299988
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000818500004
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000820000016
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
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.FiltPinTrg 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	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.30000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000690000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	468.997986
VehDyn_MinOffset_HwDeg_M_f32	-1305.474
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000270999997
VehDyn_SLPHwAuth_Uls_M_f32	0.686999977
VehDyn_SLPHwPos_HwDeg_M_f32	-1383.94995
k_HiSpdVDAuthority_UIs_f32	0
	0.699999988
k_LoSpdVDAuthority_UIs_f32	
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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 TorqueCmdCRF MtrNm f32	
	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1312.94995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	593.380005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.02999973
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.450012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-3200
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	Expected Value
	·
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.59998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
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.Timer1_mS_u32	3533260288
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006 ± 0.0009
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.Timer1_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	593.380005
VehDyn_MinOffset_HwDeg_M_f32	-1312.94995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7981377 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.686999977 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1383.94995 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.24 (Repeat Count = 1)	
Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	621.299988
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.199997
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.2000008
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.72000011e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000691999972
/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	78.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2138628886
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	2760420810
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1991.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000859200023
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.30005
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000821999973
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lqc	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	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.TimerTTHresh_ms_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrLoSpd_M_str.Timer21ffrestr_ms_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_us2 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
	1988.09998
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	3.3399997e-005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000691999972
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HispdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0
VehDyn MaxOffset HwDeg M f32	473.98999
VehDyn_MinOffset_HwDeg_M_f32	-1298.79004
VehDyn PinTrqSV M str.SV Uls f32	17.7999992
VehDyn PinTrgSV M str.K Uls f32	0.000272000005
VehDyn_SLPHwAuth_Uls_M_f32	0.671999991
VehDyn_SLPHwPos_HwDeg_M_f32	-1373.68994
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0.40000006
k_SysKinRatio_MtrDegpHwDeg_f32	78.0999985
k_TravelXCDeadband_Uls_f32	31.4899998
k_TravelXCHwAuthority_Uls_f32	0.0411249995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target_GetSystemTime_mS_u32_CurrentTime	812314880
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_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_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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	-1306.68994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	604.286987
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	3200
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.09998 ± 0.009 456.399994 ± 0.0009
VehDyn AutoCntrDetSpd_M_str.Filter1Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	812314880
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
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.Timer1_mS_u32	812314880
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2595.71289
	-1298.79004
VehDyn_MinOffset_HwDeg_M_f32	1200.10001
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7927017 ± 0.00009





Name	Funcated Value
Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

est Step 2.25 (Repeat Count = 1)	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
,	
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	662.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.59998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.73000001e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000693999988
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	621.299988
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.100006
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2345892861
· - · ·	2967684784
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00089989984
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.099976
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
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	662.210022
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.5
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.5
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.59998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.37999991e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000693999988
ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	478.981995





Name	Input Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000273000012
VehDyn_SLPHwAuth_Uls_M_f32	0.657000005
VehDyn_SLPHwPos_HwDeg_M_f32	-1363.43005
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	0.779999971
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031
k_TravelXCDeadband_Uls_f32	32.9300003
k_TraveIXCHwAuthority_UIs_f32	0.0423500016
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-1300.43005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	615.19397
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.450012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	126.401001
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.59998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5 ± 0.009
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_Igc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.099976 ± 0.0009
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.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	478.981995
VehDyn_MinOffset_HwDeg_M_f32	-1292.10596
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.99917746 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.657000005 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1363.43005 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 ChecknointReached	1





Test Step 2.26 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target 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	124.300003
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	226.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.7399999e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.599976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696000003
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000940600003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
VehDyn_AutoCntrl_oSpd_M_str.VehSpd_kph_f32	226.100006
VehDyn_AutoCntrloSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981 96.099985
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	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.41999985e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-753.599976
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000696000003
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	483.973999
VehDyn_MinOffset_HwDeg_M_f32	-1285.422
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000273999991
VehDyn_SLPHwAuth_Uls_M_f32	0.64200002
VehDyn_SLPHwPos_HwDeg_M_f32	-1353.17004
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0.870000005
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	34.3699989
k_TravelXCHwAuthority_Uls_f32	0.043575
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	-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	1440.88
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0
target VehDyn Per1 VehicleSpeed Kph f32.value	354.769989
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2000.09998 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-753.599976 ± 0.0009
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_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009
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.Timer1_mS_u32	3494315776
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.599976 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	626.101013
VehDyn_MinOffset_HwDeg_M_f32	-1294.17004
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.3003788 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.870000005 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.75000002e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000698000018
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000981300022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
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	138.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2099991
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	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.46000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000698000018
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 HiSpdLearnt Cnt M Igc	1
	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	
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_Uls_f32	0.000274999999
VehDyn_SLPHwAuth_Uls_M_f32	0.626999974
VehDyn_SLPHwPos_HwDeg_M_f32	-1342.91003
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	0.200000003
k_SysKinRatio_MtrDegpHwDeg_f32	52.0999985
k_TravelXCDeadband_Uls_f32	35.8100014
k_TravelXCHwAuthority_Uls_f32	0.0447999984
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
target_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
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_venbyn_ren_sensoriessAuthority_ois_i32 target_venbyn_Per1_SensoriessHwPos_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	-1287.91003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	637.007996
	7.55000019
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.820007





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1200.56006
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.59998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988 ± 0.0009
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.Timer1_mS_u32	463842816
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002 ± 0.009
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.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	637.007996
VehDyn_MinOffset_HwDeg_M_f32	-1287.91003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1978722 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.626999974 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1342.91003 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.75999992e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.90002
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

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Name	Input Value
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
	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-1482.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00102199998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998
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
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.199969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.50000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	493.958008
VehDyn_MinOffset_HwDeg_M_f32	-1272.05396
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14
	0.000276000006
VehDyn_PinTrqSV_M_str.K_Uls_f32	
VehDyn_SLPHwAuth_Uls_M_f32	0.611999989
VehDyn_SLPHwPos_HwDeg_M_f32	-1332.65002
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0.649999976
k_SysKinRatio_MtrDegpHwDeg_f32	1
k TravelXCDeadband Uls f32	37.25
k_TraveIXCHwAuthority_UIs_f32	0.0460250005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_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
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target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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	-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	1950.13
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.23999
Name	Expected Value
	1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.80005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.90002 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	
veribyti Autochti betopu ivi sti. Filter i Eriable Chi iuc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Entable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 1 0

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Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998 ± 0.009
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.Timer1_mS_u32	1759885568
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.80005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.90002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1302.21497
VehDyn_MinOffset_HwDeg_M_f32	-1272.05396
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9968786 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.649999976 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	2967684784
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.90002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.77000004e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005
/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
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	64
/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	3174948759
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106269994
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000831999991
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1

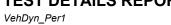
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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	72.5
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	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3,54000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00070199999
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	498.950012
VehDyn_MinOffset_HwDeg_M_f32	-1265.37
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000277000014
VehDyn_SLPHwAuth_Uls_M_f32	0.597000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1322.39001
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	0.779999971
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	38.6899986
k_TravelXCHwAuthority_Uls_f32	0.0472499989
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832
target_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_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	-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	1885.40002
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	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.90002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uls_f32	1900.80005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.ReinwPosFitt25V_hwbeg_str.5v_ois_i32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1900.00005 ± 0.009
	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002 ± 0.009
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.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.90002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1226.578
VehDyn_MinOffset_HwDeg_M_f32	-1265.37
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89964294 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.597000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1322.39001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	96.4000015
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	64.4000015
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	14.3999996
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	92.4000015
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	40437
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	13059
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948759
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3796740682
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.799988
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.7799993e-006
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.90002
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000704000005
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	0
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	44
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	16.1000004
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	58929
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3382212733
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4004004657
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.5
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00110340002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600.36011
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000834000006
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	96.1999969
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	64.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32	14.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	92.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.799988
VehDyn_AutoCntrLoSpd_W_sir.ReirWPosFilt1SV_rWbeg_sir.Sv_ois_i32	3.5799998e-005

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	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000704000005
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0 0
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	503.941986
VehDyn_MinOffset_HwDeg_M_f32	-1258.68604
VehDyn PinTrgSV M str.SV Uls f32	13.899996
VehDyn PinTrgSV M str.K Uls f32	0.000277999992
VehDyn SLPHwAuth Uls M f32	0.582000017
VehDyn_SLPHwPos_HwDeg_M_f32	-1312.13
k HiSpdVDAuthority Uls f32	1
k_LoSpdVDAuthority_UIs_f32	0.87999995
k_SysKinRatio_MtrDegpHwDeg_f32	50.2999992
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1269.13
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	669.729004
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.6700008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.360001 -1887.65002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.1999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.330002
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.799988 ± 0.0009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.90002 ± 0.009
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.Timer1_mS_u32	2127166208
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.5 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.36011 ± 0.009
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.Timer1_mS_u32	2127166208
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.799988 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.90002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0
VehDyn MaxOffset HwDeg M f32	669.729004
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VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1269.13 13.8983135 ± 0.00009

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Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	13.25 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.31 (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 Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	100.099998
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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	3382212733
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.899994
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.7900005e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600.80005
/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	34.099985
	18
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	20.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
· - ·	57944
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-2500.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00114409998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
/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	3382212733
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.899994
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.61999992e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.80005
/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_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	508.93399
/ehDyn_MinOffset_HwDeg_M_f32	-1252.00195

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Nama	Innut Value
Name VehDyn_PinTrqSV_M_str.SV_UIs_f32	Input Value -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
k HiSpdVDAuthority UIs f32	0
k LoSpdVDAuthority Uls f32	0.99000001
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	41.5699997
k_TravelXCHwAuthority_Uls_f32	0.0496999994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2430672128
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-1753.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.75
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4004004657 456.899994 ± 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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009
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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009
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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009
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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 0 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.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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 4243378688
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631
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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009
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.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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	4004004657 456.899994 ± 0.0009 0 0 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0 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 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	4004004657 456.899994 ± 0.0009 0 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0 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 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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0 1 1 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_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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0 1 1 1 0 3382212733
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.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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0 1 1 0 3382212733 4004004657
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VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter2Initialized_Cnt_lgc 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_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 0 1 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0 0 1 1 1 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 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 0 1 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0 0 1 1 1 1 1 1 1 1
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	4004004657 456.899994 ± 0.0009 0 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 0 1 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0 1 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0 0 1 1 1 1 680.635986 -1262.87
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.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.Filter1Bnable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Bnable_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_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0 1 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 0 1 1 1 4243378688 4211268631 -2500.19995 ± 0.009 -2400.1001 ± 0.009 0 1 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0 0 1 1 1 1 680.635986 -1262.87

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 ChecknointReached	1





Test Step 2.32 (Repeat Count = 1)	Innuit Value
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	34.2999992 18.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20,2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_W_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AdioChtrDetSpd_M_str.Timer1_m3_d32 VehDyn_AdioChtrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.7999995e-006
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.3999
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000707999978
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	100.099998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.3999996
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.5999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	30.6000004
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	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000508000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000837999978
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	124.099998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.7999992
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	20.7999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.65999986e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000707999978
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0 513.926025
/ehDyn_MaxOffset_HwDeg_M_f32	
/ehDyn_MinOffset_HwDeg_M_f32 /ehDyn_PinTrqSV_M_str.SV_Uls_f32	-1245.31799 18.7999992
venDyn_PinTrqSv_M_str:Sv_Uis_f32 /ehDyn_PinTrqSV_M_str:K_Uis_f32	18.7999992 0.000280000007
venDyn_PinTrqSv_m_str.K_uis_132 /ehDyn_SLPHwAuth_Uis_M_f32	0.000280000007
/ehDyn_SLPHwPos_HwDeg_M_f32	-1291.60999
<pre>c_HiSpdVDAuthority_Uls_f32</pre>	1
C_NSpdVDAuthority_Uls_f32	0.89999976
<pre><_LospavDAutifofity_dis_isz</pre> <pre><_SysKinRatio_MtrDegpHwDeg_f32</pre>	0.099999976 25.1000004
 С_Syskinkatio_witbegphwbeg_is2 TravelXCDeadband Uls f32 	43.0099983
k_fravelXCDeadband_bis_is2 k_fravelXCHwAuthority_Uls_f32	43.0099963 0.0509250015
target DtrmnElapsedTime mS u32 ElapsedTime	2242866176
target_Dtrifficiapsed filite_filis_us2_Etapsed filite target_GetSystemTime_mS_us2_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

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	-1256.60999
target VehDyn Per1 CwEOT HwDeg f32.value	691.54303
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1235.41003
target VehDyn Per1 RelHwPos HwDeg f32.value	935.01001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.900001
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0
target VehDyn Per1 VehicleSpeed Kph f32.value	42.4500008
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2500.80005 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.3999 ± 0.009
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_lgc	0
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1050692864
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	1024
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600.5 ± 0.009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4211268631
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2500.80005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn Initialize Cnt M lqc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	-243.466995
VehDyn_MinOffset_HwDeg_M_f32	-1245.31799
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7942314 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.89999976 ± 0.004
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1600 ± 0.1
gjg	=

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.33 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_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	78.8000031	
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	88.8000031	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	53970	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
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	-753.900024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.81000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000709999993
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	40.2999992
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2400.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000509999983
VehDyn AutoCntrhiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.09998
· · · · · · · · · · · · · · · · · · ·	-1438.09998 0.00083999993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	70,000024
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.8000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
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	-753.900024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.70000016e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000709999993
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	518.91803
VehDyn_MinOffset_HwDeg_M_f32	-1238.63403
VehDyn_PinTrqSV_M_str.SV_Uls_f32	0
VehDyn PinTrqSV M str.K Uls f32	0.000280999986
VehDyn SLPHwAuth Uls M f32	0.537
VehDyn_SLPHwPos_HwDeg_M_f32	-1281.34998
k_HiSpdVDAuthority_Uls_f32	-1201.34990
	0.100000001
k_LoSpdVDAuthority_Uls_f32	
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	44.4500008
k_TravelXCHwAuthority_UIs_f32	0.0521499999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976
target_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_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_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_VehicleSpeed_Kph_f32
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	
	-1250.34998
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	
	-1250.34998 702.450012 -2.20000005





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-888.799988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.9799995
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-753.900024 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
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.Timer1_mS_u32	3039943680
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
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.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.900024 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	518.91803
VehDyn_MinOffset_HwDeg_M_f32	-361.549988
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-0.000599965977 ± 0.0000000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.537 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1281.34998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.34 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	88.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.81999996e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000712000008
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	78.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76





Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	50.1399994
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000511999999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000842000009
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	88.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.800003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.7400001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000712000008
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	523.909973
VehDyn_MinOffset_HwDeg_M_f32	-1231.94995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000281999994
VehDyn_SLPHwAuth_Uls_M_f32	0.522000015
VehDyn_SLPHwPos_HwDeg_M_f32	-1271.08997
k_HiSpdVDAuthority_UIs_f32	0.99000001
k_LoSpdVDAuthority_Uls_f32	0.20000003
k_SysKinRatio_MtrDegpHwDeg_f32	56.5
k_TravelXCDeadband_Uls_f32	45.8899994
k_TravelXCHwAuthority_Uls_f32	0.0533749983
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target_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_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	-1244.08997
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	713.356995
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.539978
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	425.5
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.880005
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
	2138628886
VenDyn AutoCotribetSod M str Limera ms 1132	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988 ± 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	456.799988 ± 0.0009 -1482.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988 ± 0.0009





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	713.356995
VehDyn_MinOffset_HwDeg_M_f32	-1244.08997
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14.4951944 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.200000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	94.0999985
/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	97.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.8999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.83000008e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000714000023
/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	88.3000031
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5400009
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.5999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	60.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000514000014
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000844000024
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
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	94.099985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.699997
VehDyn_AutoCntrl_cSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	97.6999969 7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.8999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.78000004e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000714000023
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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1 0
VehDyn_Initialize_Cnt_M_igc VehDyn_LoSpdLearnt_Cnt_M_igc	1
VehDyn_MaxOffset_HwDeg_M_f32	528.901978
VehDyn MinOffset HwDeg M f32	-1225.26599
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-12.6000004
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000283000001
VehDyn_SLPHwAuth_Uls_M_f32	0.507000029
VehDyn_SLPHwPos_HwDeg_M_f32	-1260.82996
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	0.300000012
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985
k_TravelXCDeadband_Uls_f32	47.3300018
k_TraveIXCHwAuthority_UIs_f32	0.0546000004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRadpS f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_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_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	-1237.82996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	724.263977
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.5999999 4353.4400F
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeq_f32.value	-1253.44995 -2000.19995
target_VenDyn_Per1_ReiHwPos_HwDeg_132.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.119995
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.8999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 1 2075080192
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 1 2075080192 164464918
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 2075080192 164464918 -1438.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 2075080192 164464918 -1438.5 ± 0.009 -1988.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 1 2075080192 164464918 -1438.5 ± 0.009 -1988.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 1 2075080192 164464918 -1438.5 ± 0.009 -1988.40002 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 1 2075080192 164464918 -1438.5 ± 0.009 -1988.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 2075080192 164464918 -1438.5 ± 0.009 -1988.40002 ± 0.009 0





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.8999 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	724.263977
VehDyn_MinOffset_HwDeg_M_f32	-1237.82996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-12.5971289 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.507000029 ± 0.004
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1260.82996 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	126.599998
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.600006
/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	25532
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.83999998e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00071599998
/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	94.5
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	96.4499969
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	13.1000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	70.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38708
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	54822322
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	219286216
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753.200012
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000515999971
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.09998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000845999981
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lqc	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	126.699997
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.300003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.6999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
enDyn_AutoCntrLoSpd_M_str.Cntrvvindow_nwDeg_isz /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
· - ·	27401
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	2/401 2553156835
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1 1 1 1
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	2600.80005 3.8199998e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00071599998
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	533.893982
VehDyn_MinOffset_HwDeg_M_f32	-1218.58203
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51000006e-006
VehDyn_SLPHwAuth_Uls_M_f32	0.492000014
VehDyn_SLPHwPos_HwDeg_M_f32	-1250.56995
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_LoSpdVDAuthority_Uls_f32	0.40000006
k_SysKinRatio_MtrDegpHwDeg_f32	85.099985
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	48.7700005 0.0558249988
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416
target_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_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_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	-1231.56995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	735.171021 -2.79999995
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.458008
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1900.90002
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
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 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 954802432
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	954802432 219286216
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.09998 ± 0.009
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.Timer1_mS_u32	954802432
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
VehDyn_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
· o J, to on the coops_in_out.i into Emittalized_ont_igo	0
VehDvn HiSpdLearnt Cnt M Inc.	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 0 -1165.729





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1444.69995 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.5
/ehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32	123.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	42.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	36416
/ehDyn_AutoCntrDetSpd_M_str.Timer2Tntesn_ms_u12	2760420810
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
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/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.8999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.8500001e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.3999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000717999996
/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	126.300003
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.099998
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	19
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	80.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43128
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58869
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000517999986
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996
/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	124.099998
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.099998
/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	2760420810
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.8999
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.85999992e-005
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2500.3999
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000717999996
'ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	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
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_initialize_ont_w_igc /ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_Losputeamt_cnt_w_gc /ehDyn_MaxOffset_HwDeg_M_f32	538.885986
/ehDyn_MinOffset_HwDeg_M_132	-1211.89795

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Name	Input Value
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584798
VehDyn_SLPHwAuth_Uls_M_f32	0.476999998
VehDyn_SLPHwPos_HwDeg_M_f32	-1240.31006
k_HiSpdVDAuthority_Uls_f32	0
k LoSpdVDAuthority UIs f32	0.5
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031
k_TravelXCDeadband_Uls_f32	50.2099991
k_TravelXCHwAuthority_Uls_f32	0.0570500009
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000
target_GetSystemTime_mS_u32_CurrentTime	2728878080
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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_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_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1225.31006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	746.078003
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.779999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.40002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.640015
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.8999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.3999 ± 0.009
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.Timer1_mS_u32	2728878080
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc	1
, - ,	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.8999 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.3999 ± 0.009
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
V 1 D 1 1 0 1 1 1 0 1 1 1 1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VenDyn_HispdLearnt_Cnt_m_igc VehDyn_Initialize_Cnt_M_igc	1
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VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1 538.885986
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 1 538.885986 675.090027

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1





Test Step 2.38 (Repeat Count = 1)	Laure Value
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	63.2000008
VehDyn_AuteCatrDetSpd_M_str.VehSpd_kph_f32	124.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.200008 86.199969
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	8366
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51002
/ehDyn_AutoCntrDetSpd_M_str.Timer2Trilesn_in3_u10	3382212733
/ehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32	4004004657
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.86e-006
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.5
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000720000011
VehDyn_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
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	128.100006
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	147
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.4000015
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	-2400.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000520000001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
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	63.2999992
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.89999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000720000011
VehDyn_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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0 543.877991
/ehDyn_MaxOffset_HwDeg_M_f32	-1205.21399
/ehDyn_MinOffset_HwDeg_M_f32 /ehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
venDyn_PinTrqSv_M_str:Sv_Uis_f32 /ehDyn_PinTrqSV_M_str:K_Uis_f32	0.000281999994
venDyn_PinTrqSv_m_str.K_uis_132 /ehDyn_SLPHwAuth_Uis_M_f32	0.000281999994 0.462000012
/ehDyn_SLPHwPos_HwDeg_M_f32	-1230.05005
<pre>c_HiSpdVDAuthority_Uls_f32</pre>	1
C_NSpdVDAuthority_Uls_f32	0.600000024
<pre><_LospuvDAuthority_ois_is2 <_SysKinRatio_MtrDegpHwDeg_f32</pre>	86.5
k TravelXCDeadband Uls f32	51.6500015
TravelXCHwAuthority Uls f32	0.0582749993
target DtrmnElapsedTime mS u32 ElapsedTime	4129141760
target_GetSystemTime_mS_u32_CurrentTime	4164171008
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
	V = / = =

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	-1219.05005
target VehDyn Per1 CwEOT HwDeg f32.value	756.984985
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.20000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.5
target VehDyn Per1 RelHwPos HwDeg f32.value	1991.69995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target VehDyn Per1 VehicleSpeed Kph f32.value	36.4519997
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753.099976 ± 0.0009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.5 ± 0.009
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.Timer1_mS_u32	4164171008
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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.Timer1_mS_u32	4164171008
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	756.984985
VehDyn_MinOffset_HwDeg_M_f32	-1219.05005
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8951502 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.600000024 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-808.799988 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.39 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_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	456.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	125.099998	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.1000004	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.86999989e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000722000026
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	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.099998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	17.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
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	328928812
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000522000017
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.1001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrhiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrhiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrhispd_M_str.Hiter2initialized_Cnt_igc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.299988
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VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.94000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000722000026
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	548.869995
VehDyn_MinOffset_HwDeg_M_f32	-1198.53003
VehDyn PinTrqSV M str.SV UIs f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00035799999
VehDyn SLPHwAuth Uls M f32	0.446999997
VehDyn SLPHwPos HwDeg M f32	-1219.79004
k_HiSpdVDAuthority_UIs_f32	0.170000002
k_LoSpdVDAuthority_Uls_f32	0.69999988
	32.099985
k_SysKinRatio_MtrDegpHwDeg_f32	53,0900002
k_TravelXCDeadband_Uls_f32	
k_TravelXCHwAuthority_UIs_f32	0.0595000014
target_DtrmnElapsedTime_mS_u32_ElapsedTime	662694400
target_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_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_Rte_inst_Ap_veribyit.veribyit_Ferit_verificeSpeed_Rpit_i32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1212.79004
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target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1482.30005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.523987
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	767.892029
VehDyn_MinOffset_HwDeg_M_f32	-1212.79004
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39919901 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.69999988 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.40 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.88000001e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5
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

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Name	Input Value
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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000523999974
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000853999984
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	32.7999992
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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.Timer2Timesir_inis_u10	3174948759
VehDyn_AutoChtrLoSpd_M_str.Timer1_mS_u32	3796740682
VenDyn_AutoCntrLoSpd_M_str.Ninler2_m5_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998
VehDyn_AutoChtrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.98000011e-005
VeriDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_0is_i32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5
VenDyn_AutoCntrLoSpd_M_str.ReinwPosFilt2SV_nwDeg_str.Sv_dis_is2 VenDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	-2400.5 0.000723999983
	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	1
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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	0.80000012
k_SysKinRatio_MtrDegpHwDeg_f32	52.0999985
k_TravelXCDeadband_Uls_f32	54.5299988
k_TravelXCHwAuthority_Uls_f32	0.0607249998
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928
arget_GetSystemTime_mS_u32_CurrentTime	309385728
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
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1206.53003
arget VehDyn Per1 CwEOT HwDeg f32.value	778.799011
arget_VehDyn_Per1_HwTorque_HwNm_f32.value	7
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1299.59998
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753.400024
arget_venbyn_Per1_ReinwPos_nwbeg_isz.value arget VehDyn Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
	1.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.024994
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009

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Name	Expected Value
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.Timer1_mS_u32	309385728
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
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.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
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_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	-453.130005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59979486 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.432000011 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1209.53003 ± 0.1

Test Step Call Trace	
	2
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.41 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.88999991e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999
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	-2400.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000525999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 63.099985
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 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	86.300031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.02000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000725999998
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_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_UIs_f32	0.000360000005
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.416999996 -1199.27002
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0.899999976
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.700012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-1.60000002 0
target VehDyn Per1 VehicleSpeed Valid_Cit_gc.value	499.089996
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999 ± 0.009
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
	4164171008
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886 -2400.5 + 0.009
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009 -1438.30005 ± 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	-2400.5 ± 0.009 -1438.30005 ± 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	-2400.5 ± 0.009 -1438.30005 ± 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	-2400.5 ± 0.009 -1438.30005 ± 0.009 0 0

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	333.006012
VehDyn_MinOffset_HwDeg_M_f32	-1185.16199
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5019697 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	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
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	3658
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	5853
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3589476708
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.09998
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.9000003e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
/ehDyn_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
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	124.199997
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	0
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	42.5
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	33198
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	7778
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000528000004
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1950.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.0999985
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	8.5
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	96.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.0599999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000728000014
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
	563.846008
VehDyn_MaxOffset_HwDeg_M_f32	
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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-2500.5
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.339996
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
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.Timer1_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	437658624
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2797.40112 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
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
	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0000 11 01 00
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4211268631 -1988.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0
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	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0
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	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0 0 1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0 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_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	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0 0 1 1 1 1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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	4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0 0 1 1

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Name	Expected Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59686208 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.40200001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1189.01001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_132	1
DtrmnElapsedTime_mS_u32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.43 (Repeat Count = 1)	
Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/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
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.90999992e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000730000029
/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
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
/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	-1438.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000530000019
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.30005
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
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.0999993e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000730000029
ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_Loopaccam_on_w_ge /ehDyn_MaxOffset_HwDeg_M_f32	568.838013

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VehDyn_Per1



Name	Input Value
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
k_HiSpdVDAuthority_Uls_f32	0.99900013
k_LoSpdVDAuthority_UIs_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_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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 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
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	2600.6001
	-7.30000019
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.820007
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024 ± 0.0009
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.Timer1_mS_u32	3941357312
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_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	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 1 3941357312
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	0 1 3941357312 2160073393
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	0 1 3941357312 2160073393 1988.19995 ± 0.009
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 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009
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 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 1 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0 1 1 1 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 811.52002
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 811.52002 -1187.75
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 3941357312 2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 811.52002

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Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

est Step 2.44 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031
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	4004004657
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.92000004e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998
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	2760420810
ehDyn AutoCntrHiSpd M str.Timer2 mS u32	2760420810
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000531999976
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.539993
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 Igc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	86.3000031
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	4004004657
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	54822322
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1991.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.13999987e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1988.09998
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
enDyn_AutoCntrLoSpd_M_str.Filter2initialized_Cnt_lgc ehDyn_HiSpdLearnt_Cnt_M_lgc	1
enDyn_HiSpaLearnt_Cnt_iM_igc ehDyn Initialize Cnt M lgc	1
,	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	
ehDyn_MaxOffset_HwDeg_M_f32	573.830017
ehDyn_MinOffset_HwDeg_M_f32	-1165.10999
ehDyn_PinTrqSV_M_str.SV_UIs_f32 ehDyn PinTrqSV M str.K UIs f32	17.7999992 0.000362999999





Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.372000009
VehDyn_SLPHwPos_HwDeg_M_f32	-1168.48999
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-2400.3999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.080002
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998 ± 0.009
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.Timer1_mS_u32	3304439296
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950,19995 ± 0.009
, _ ,	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	142.539993 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	142.539993 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1
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
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	0 1 1 0 4004004657
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	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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 1 1 0 4004004657 54822322
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 0 4004004657 54822322 1991.09998 ± 0.009
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_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	0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009
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_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 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0
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_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 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 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_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	0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0 1
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.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	0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0 1 1 1 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_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 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0 1 1 1 1 573.830017
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.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 VehDyn_MinOffset_HwDeg_M_f32	0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0 1 1 1 1 573.830017 1218.91003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0 1 1 1 1 573.830017

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



Test Step 2.45 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	75.1999969
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.2000008
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	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.9299994e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000734000001
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	425.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.1100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	72.3000031
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2967684784 1885.5
VehDyn_AutoCntrhiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000533999992
VehDyn AutoCntrhiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600.25
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000864000001
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	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	75.5999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2999992
VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32	14.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	13059
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	-2000.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.18000018e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000734000001
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	578.822021
VehDyn_MinOffset_HwDeg_M_f32	-1158.42603
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000364000007
VehDyn_SLPHwAuth_Uls_M_f32	0.356999993
VehDyn_SLPHwPos_HwDeg_M_f32	-1158.22998
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	97.3000031
k_TravelXCDeadband_Uls_f32	61.7299995
k_TravelXCHwAuthority_UIs_f32	0.0668499991
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432
target_GetSystemTime_mS_u32_CurrentTime	2167769344
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-1175.22998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	833.333984
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.05000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	800.799988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2800.30005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	10.1409998
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
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.Timer1_mS_u32	2167769344
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.25 ± 0.009
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.Timer1_mS_u32	2167769344
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1966.96594
VehDyn_MinOffset_HwDeg_M_f32	-1158.42603
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.99486494 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.356999993 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1158.22998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
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	1900.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.9400006e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998
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	3174948759
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	142.199997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00536000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.36011 0.000866000017
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1mittalized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	98.5999985
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	18.6000004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.599985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn AutoCntrLoSpd M str.TimerThresh mS u16	58929
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	1900.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.22000012e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
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_UIs_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.09998
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	1900.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998 ± 0.009
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.Timer1_mS_u32	3714197504
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	142.199997 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.36011 ± 0.009
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.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	844.241028
VehDyn_MinOffset_HwDeg_M_f32	-1168.96997
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29439259 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.342000008 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1147.96997 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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_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	-1900.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.94999995e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.19995
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	56.2000008
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	92
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
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	-1900.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000538000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001
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	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.26000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000737999973
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	42.0999985
k TravelXCDeadband Uls f32	64.6100006
k_TraveIXCHwAuthority_Uls_f32	0.0693000033
target_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608
target GetSystemTime mS u32 CurrentTime	2894938880
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT 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 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF MtrNm f32
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_totqueenhuckt_miththi_loz 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	-1162.70996
target VehDyn Per1 CwEOT HwDeg_I32.value	855.14801
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.0900015
target_venDyn_Per1_nw10rque_nwnnn_isz.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.869995
target_VehDyn_Per1_MotorvelCkr_Intradp5_i32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	753.330017
target_venDyn_ren_Renwros_nwbeg_isz.value target_vehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.900001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VenDyn_Per1_VenicleSpeedValid_Crit_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.5499992
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1
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	-1900.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2894938880
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001 ± 0.009
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.Timer1_mS_u32	2894938880
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	855.14801
VehDyn_MinOffset_HwDeg_M_f32	-1162.70996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1910677 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.326999992 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1137.70996 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

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_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
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	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.96000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998
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	86
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.2000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.79999995
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	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000539999979
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000869999989
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Wedge, AutoContact M. at Part Vertical Part Section Sectio	VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
Wedge, AutoContact M. at Part Vertical Part Section Sectio	VehDvn AutoCntrHiSpd M str.Filter1Initialized Cnt loc	1
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target_DrimElapsedTime_mS_u32_CalpasedTime	k_TravelXCDeadband_Uls_f32	66.0500031
larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_CwEOT_HwDeg_132 target_VehDyn_Pert_CwEOT_HwDeg_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_CwEOT_HwDeg_132 target_VehDyn_Pert_CwEOT_HwDeg_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_Instruct_HwMm_132 target_VehDyn_Pert_HwMm_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_McDruct_HwMm_132 target_VehDyn_Pert_HwMm_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_RethWeb_1420 target_VehDyn_Pert_HwMm_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uls_132 target_VehDyn_Pert_RethWeb_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uls_132 target_VehDyn_Pert_SensorlessAuthority_Uls_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uls_132 target_VehDyn_Pert_SensorlessAuthority_Uls_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uls_132 target_VehDyn_Pert_SensorlessAuthority_Uls_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed Vaid_Cnt_Ugc target_VehDyn_Pert_SensorlessAuthority_Uls_132 larget_VehDyn_Pert_CowEOT_HwDeg_132_value 1156.44995 larget_VehDyn_Pert_HwToruc_MehMyn_132_value 4156.44995 larget_VehDyn_Pert_HwToruc_MehMyn_132_value 41880.69993 larget_VehDyn_Pert_VehicleSpeed_Veh_132_value 11899.99998 larget_VehDyn_Pert_VehicleSpeed_Veh_132_value 1190843620	k_TravelXCHwAuthority_Uls_f32	0.070524998
larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_CwEOT_HwDeg_132 target_VehDyn_Pert_CwEOT_HwDeg_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_CwEOT_HwDeg_132 target_VehDyn_Pert_CwEOT_HwDeg_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_Instruct_HwMm_132 target_VehDyn_Pert_HwMm_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_McDruct_HwMm_132 target_VehDyn_Pert_HwMm_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_RethWeb_1420 target_VehDyn_Pert_HwMm_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uls_132 target_VehDyn_Pert_RethWeb_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uls_132 target_VehDyn_Pert_SensorlessAuthority_Uls_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uls_132 target_VehDyn_Pert_SensorlessAuthority_Uls_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uls_132 target_VehDyn_Pert_SensorlessAuthority_Uls_132 larget_Ret_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed Vaid_Cnt_Ugc target_VehDyn_Pert_SensorlessAuthority_Uls_132 larget_VehDyn_Pert_CowEOT_HwDeg_132_value 1156.44995 larget_VehDyn_Pert_HwToruc_MehMyn_132_value 4156.44995 larget_VehDyn_Pert_HwToruc_MehMyn_132_value 41880.69993 larget_VehDyn_Pert_VehicleSpeed_Veh_132_value 11899.99998 larget_VehDyn_Pert_VehicleSpeed_Veh_132_value 1190843620	target DtrmnElapsedTime mS u32 ElapsedTime	1711664384
target, Lein, Ja, VehDyn, VehDyn, Pert, CoxEOT, HwDeg, Ji2 target, VehDyn, Pert, CoxEOT, HwDeg, Ji2 target, Rei, Inst, Ap, VehDyn, VehDyn, Pert, HwTorque, HwNm, Ji2 target, VehDyn, Pert, HwTorque, HwNm, Ji2 target, Rei, Inst, Ap, VehDyn, VehDyn, Pert, HwTorque, HwNm, Ji2 target, VehDyn, Pert, HwTorque, HwNm, Ji2 target, Rei, Inst, Ap, VehDyn, VehDyn, Pert, Reihwos, HwDeg, Ji2 target, VehDyn, Pert, ReihwDeg, Ji2 target, Rei, Inst, Ap, VehDyn, VehDyn, Pert, SensoriessAuthority, Uls, Ji2 target, VehDyn, Pert, ReihwDeg, Ji2 target, Rei, Inst, Ap, VehDyn, VehDyn, Pert, SensoriessAuthority, Uls, Ji2 target, VehDyn, Pert, SensoriessAuthority, Uls, Ji2 target, Rei, Inst, Ap, VehDyn, VehDyn, Pert, VehicleSpeed Kyh, Ji2 target, VehDyn, Pert, SensoriessAuthority, Uls, Ji2 target, Lein, Lap, VehDyn, VehDyn, Pert, VehicleSpeed Kyh, Ji2 target, VehDyn, Pert, VehDyn, Pert, VehicleSpeed Kyh, Ji2 target, VehDyn, Pert, Low, Ji2 target, VehDyn, Pert, VehInd, Ji2 target, VehDyn, Pert, Low, Ji2 target, VehDyn, Pert, VehInd, Ji2 target, VehDyn, Pert, Low, Ji2 target, VehDyn, Pert, VehInd, Ji2 target, VehDyn, Pert, Low, Ji2 target, VehDyn, Pert, VehInd, Ji2 target, VehDyn, Pert, VehindeSpeedvalid, Crit, Jia 1988,69995 target, VehDyn, Pert, VehindeSpeedvalid, Crit, Jia 1988,69995 targ		2059598336
target Rite_Inst_Ap_VehDyn.VehDyn.Pert_LWTorque_HwNm [32 target_VehDyn.Pert_LWTorque_HwNm [32 target_VehDyn.Pert_HwTorque_HwNm [32 target_Rel_Inst_Ap_VehDyn.VehDyn.Pert_Motorvie(CRF_MMRapp_f32 target_VehDyn.Pert_Motorvie(CRF_MMRapp_f32 target_VehDyn.Pert_Motorvie(CRF_MMRapp_f32 target_Rel_Inst_Ap_VehDyn.VehDyn.Pert_RelHwPos_HwDeg_J32 target_VehDyn.Pert_RelHwPos_HwDeg_J32 target_VehDyn.Pert_RelHwPos_HwDeg_J32 target_Rel_Inst_Ap_VehDyn.VehDyn.Pert_SensoriessHwPos_HwDeg_D2 target_VehDyn.Pert_SensoriessAuthority_UIs_J32 target_Rel_Inst_Ap_VehDyn.VehDyn.Pert_VehicleSpeed_VehDyn.Pert_TorqueCmdCRF_Mithm_J32 target_VehDyn.Pert_TorqueCmdCRF_Mithm_J32 target_Rel_Inst_Ap_VehDyn.VehDyn.Pert_VehicleSpeed_VehDyn.Pert_VehicleSpeed_VehDyn.Pert_VehicleSpeed_VehDyn.Pert_VehicleSpeed_Kpf_J32 target_VehDyn.Pert_VehicleSpeed_Kpf_J32 target_VehDyn.Pert_CowECT_HwDeg_J32_value 41564_4499 target_VehDyn.Pert_VehicleSpeed_Kpf_J32 target_VehDyn.Pert_TorqueCmdCRF_Mithm_J32_value 752.679983 target_VehDyn.Pert_TorqueCmdCRF_Mithm_J32_value 1988.69995 target_VehDyn.Pert_TorqueCmdCRF_Mithm_J32_value 1988.69996 target_VehDyn.Pert_TorqueCmdCRF_Mithm_J32_value 1989.99998 target_VehDyn.Pert_TorqueCmdCRF_Mithm_J32_value 1989.99998 target_VehDyn.Pert_TorqueCmdCRF_Mithm_J32_value 1980.99999		
target, Reb., Inst., Ap, VehDyn, VehDyn, Pert., Mkotovylic RF, Mirradps, 132 target, VehDyn, Pert., Mkotovylic RF, Mirradps, 132 target, VehDyn, Pert., Mkotovylic RF, Mirradps, 132 target, VehDyn, Pert., RelHwPos, Hwbog, 132 target, VehDyn, Pert., RelHwPos, Hwbog, 132 target, Reb., Inst., Ap, VehDyn, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., SensoriessAuthority, Uls. 132 target, VehDyn, Pert., Tender, SensoriessAuthority, Uls. 132 target, VehDyn, Pert., Tender, SensoriessAuthority, Uls. 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., Tender, SensoriessAuthority, Uls., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, VehDyn, Pert., VehicleSpeed, Mp., 132 target, V		
larget_Rie_Inst_Ap_VehDyn_Pert_MotorVeiCRF_MitrRadpS_f32 target_VehDyn_Pert_MotorVeiCRF_MitrRadpS_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Pert_RelletMove_Neibug_f32 target_VehDyn_Pert_RelletMove_Neibug_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Pert_TorqueCmdCRF_MitrNm_f32 target_VehDyn_Pert_SensoriessAuthority_Uis_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed/Ain_Cnt_lgc target_VehDyn_Pert_SensoriessAuthority_Uis_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed/Ain_Cnt_lgc target_VehDyn_Pert_SensoriessAuthority_Uis_f32 target_VehDyn_Pert_LowECT_Hveb_gf_f32_value 4156.44995 target_VehDyn_Pert_CowECT_Hvbog_f32_value 4170000008 target_VehDyn_Pert_Motor_Pert_Motor_Pert_MitralpS_f22_value 41886.69993 target_VehDyn_Pert_Tert_NeiceSpeed_Kpt_f32_value 41886.69993 target_VehDyn_Pert_Tert_VehicleSpeed_Kpt_f32_value 41886.69993 target_VehDyn_Pert_VehicleSpeed_Kpt_f32_value 41886.69993 target_VehDyn_Pert_VehicleSpeed_Kpt_f32_value 418999998 Name Expected Value VehDyn_AutoCntrDespd_M_str_Timert_mS_u32 41886.200 VehDyn_AutoCntrDespd_M_str_Timert_mS_u32 41896.2620		
larget, Rel, _inst, Ap_ VehDyn, VehDyn, Perf, _NehWoog_ 132 target, VehDyn, Perf, _SensoriessAuthority, _Uis_ 132 larget, Rie, _inst, Ap_ VehDyn, VehDyn, PerfSensoriessAuthority, _Uis_ 132 target, _VehDyn, _PerfSensoriessAuthority, _Uis_ 132 larget, Rie, _inst, Ap_ VehDyn, VehDyn, _PerfSensoriessAuthority, _Uis_ 132 target, _Nel _PerfSensoriessAuthority, _Uis_ 132 larget, Rie, _inst, Ap_ VehDyn, VehDyn, _PerfVehicleSpeed /Rin, _132 target, _VehDyn, _PerfSensoriessAuthority, _Uis_ 132 larget, Rie, _inst, Ap_ VehDyn, VehDyn, _PerfVehicleSpeed /Rin, _132 target, _VehDyn, _PerfVehicleSpeed /Rin, _Uis23 larget, _VehDyn, _PerfCewCDTHwDeg132 value +1156.44998 larget, _VehDyn, _PerfCewCDTHwDeg132 value +1156.44998 larget, _VehDyn, _PerfCewCDTHwDeg132 value +1156.44998 larget, _VehDyn, _PerfLehWorsPartAwardes		
target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uis_f32 target_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uis_f32 target_VehDyn_Per1_SensoriessAwthos_HwDeg_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_CowEoT_HwDeg_f32_Value target_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_CowEoT_HwDeg_f32_Value 866.05493 target_VehDyn_Per1_Morque_HwMm_f32_Value 9.17000008 target_VehDyn_Per1_Morque_HwMm_f32_Value 9.17000008 target_VehDyn_Per1_Morque_HwMm_f32_Value 1.988.69995 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc_value 1.89899998 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc_value 1.898999998 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc_value 1.898999998 VehDyn_AutoCntrDetSpd_M_str.Timer1_ms_u32 109643620 VehDyn_AutoCntrDetSpd_M_str.Timer1_ms_u32 109643620 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilitSV_HwDeg_str.Sv_Uis_f32 1482.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc 0 VehDyn_AutoCntrHispd_M_str.Filter2Enable_Cnt_Igc 1482.40000		
target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MirMm_f32 target_VehDyn_Per1_CmdCRF_MirMm_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_kifc_f1.gc target_VehDyn_Per1_VehicleSpeed_kifc_f32 target_VehDyn_Per1_CwCPT_HwDeg_f32_Value -1186.44995 target_VehDyn_Per1_CwCPT_HwDeg_f32_Value -917000008 target_VehDyn_Per1_HwTorque_HwNm_f32_Value -917000008 target_VehDyn_Per1_RellwFor_Sh_Moeg_f32_Value 752.679993 target_VehDyn_Per1_RellwFor_Sh_Moeg_f32_Value -1898.69995 target_VehDyn_Per1_TorqueCmdCRF_MirMm_f32_Value -189999998 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value -189999998 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value 30.639994 Name Expected Value VehDyn_AlovHiSpdAutoCnt_Cnt_M_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_ms_u32 109643620 VehDyn_AutoCntrDetSpd_M_str.Timer2_ms_u32 2138628886 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 10		
target_Rel_Inst_Ap_VehDyn_Perl_TorqueCmdCRF_MtrNm_f32 target_Rel_Inst_Ap_VehDyn_Perl_VehicleSpeedValld_Cnt_lgc target_VehDyn_Perl_VehicleSpeedValld_Cnt_lgc target_VehDyn_Perl_VehicleSpeed_Kpf_f32 target_VehDyn_Perl_VehicleSpeed_Kpf_f32 target_VehDyn_Perl_VehicleSpeed_Kpf_f32 target_VehDyn_Perl_VehicleSpeed_Kpf_f32 target_VehDyn_Perl_CcwEOT_HwDeg_f32.value 1156.44995 target_VehDyn_Perl_HwDrorque_HwNm_f32.value 866.054993 target_VehDyn_Perl_HwTorque_HwNm_f32.value 9.17000008 target_VehDyn_Perl_MotorVefCRF_MtrRadpS_f32.value 752.679993 target_VehDyn_Perl_MotorVefCRF_MtrRadpS_f32.value 1988.69995 target_VehDyn_Perl_VehicleSpeed_Kpf_f32.value 1988.69995 target_VehDyn_Perl_VehicleSpeed_Kpf_f32.value 1988.69999 target_VehDyn_Perl_VehicleSpeed_Kpf_f32.value 10.64999.09999 target_VehDyn_Perl_VehicleSpeed_Kpf_f32.value 10.64999.099999 target_VehDyn_Perl_VehicleSpeed_Kpf_f32.value 10.64999.099999 target_VehDyn_Perl_VehicleSpeed_Kpf_f32.value 10.64999.0999999 target_VehDyn_Perl_VehicleSpeed_Kpf_f32.value 10.64999.09999999999999999999999999999999	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rel_Inst_Ap_VehDyn.VehDyn.Perl_VehicleSpeed Xpil_GCnt_Igc target_VehDyn_Perl_VehicleSpeed_Xpil_32 target_Nelbyn_Perl_Del_Inst_Ap_VehDyn.Perl_WeblicleSpeed_Xpil_32 target_VehDyn_Perl_CwEGD_HwBeg_132 Value target_VehDyn_Perl_EwhDeg_132 value 866.054993 target_VehDyn_Perl_HwTorque_HwNm_132 value 9.17000008 target_VehDyn_Perl_Mell_Morque_HwNm_132 value 1.988.69993 target_VehDyn_Perl_RelHwPos_HwDeg_132 value 1.988.69995 target_VehDyn_Perl_TorqueCmdGRF_MirRahg_132 value 1.898.69995 target_VehDyn_Perl_VehicleSpeed/Valid_Cnt_Igc_value 1 target_VehDyn_Perl_VehicleSpeed/Valid_Cnt_Igc_value 1 target_VehDyn_Perl_VehicleSpeed/Xpin_152 value 30.639994 Name Expected Value VehDyn_AutoCntrDelSpd_M_str_Timer1_mS_u32 109643620 VehDyn_AutoCntrDelSpd_M_str_Timer1_mS_u32 109643620 VehDyn_AutoCntrDelSpd_M_str_RelHwPosFiltSV_HwDeg_str.SV_Uls_132 1480.5 ± 0.009 VehDyn_AutoCntrDelSpd_M_str_Filter_Inst_Silt_Str_HwDeg_str.SV_Uls_132 1900.09998 ± 0.009 VehDyn_AutoCntrDelSpd_M_str_Filter_Inst_Silt_Str_HwDeg_str.SV_Uls_132 1400.0000 VehDyn_AutoCntrDelSpd_M_str_Filter_Inst_Silt_Str_HwDeg_str.SV_Uls_132 2055598336 VehDyn_AutoCntrt	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
larget_Rte_Inst_Ap_VehDyn_VehDyn_Perl_VehicleSpeed_Kph_f32 target_VehDyn_Perl_CwEOT_HwDeg_f32_value -1156.44995 target_VehDyn_Perl_CwEOT_HwDeg_f32_value 866.054993 target_VehDyn_Perl_MotorVeiCRF_MirRadps_f32_value 9.17000008 target_VehDyn_Perl_MotorVeiCRF_MirRadps_f32_value 752.679993 target_VehDyn_Perl_RelHwPos_HwDeg_f32_value -1886.69995 target_VehDyn_Perl_TorqueCmdCRF_MirMn_f32_value -18.9999998 target_VehDyn_Perl_VehicleSpeed_Kph_f32_value 1.899999998 target_VehDyn_Perl_VehicleSpeed_Kph_f32_value 30.6339994 Name Expected Value VehDyn_Allow-Dist_Mathispad_value_Cnt_Ind_Ind_Ind_Ind_Ind_Ind_Ind_Ind_Ind_Ind	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_VehDyn_Per1_CxeEOT_HwDeg_r32.value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_VehDyn_Per1_CwEOT_HwDeg_i32_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 -1.998.69995 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32_value -1.89999998 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc_value 1 target_VehDyn_Per1_VehicleSpeedKph_f32_value 30.6399994 Name Expected Value VehDyn_AllowHiSpfAd.utoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 109843620 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2138628866 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitItSV_HwDeg_str.SV_UIs_f32 1482.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitItSV_HwDeg_str.SV_UIs_f32 1900.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwD	target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_MotorVelCRF_MirRadpS_132.value 9.17000008 target_VehDyn_Per1_MotorVelCRF_MirRadpS_132.value 752.679993 target_VehDyn_Per1_RelHwPos_HwDeg_132.value 1.88989995 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 1.89999998 target_VehDyn_Per1_VehicleSpeed_Kpf_612.value 30.6399994 Name Expected Value VehDyn_AlwoHiSpdAutoCntr_Cnt_M_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 109643620 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 213862886 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitI1SV_HwDeg_str.SV_Uls_f32 1482.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2_ms_u32 2059598336 VehDyn_AutoCntrDetSpd_M_str.Filter2_ms_u32 2059598336 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3889476708 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSv_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cn	target VehDyn Per1 CcwEOT HwDeg f32.value	-1156.44995
target_VehDyn_Per1_MotorVelCRF_MirRadpS_132.value 9.17000008 target_VehDyn_Per1_MotorVelCRF_MirRadpS_132.value 752.679993 target_VehDyn_Per1_RelHwPos_HwDeg_132.value 1.88989995 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 1.89999998 target_VehDyn_Per1_VehicleSpeed_Kpf_612.value 30.6399994 Name Expected Value VehDyn_AlwoHiSpdAutoCntr_Cnt_M_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 109643620 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 213862886 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitI1SV_HwDeg_str.SV_Uls_f32 1482.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2_ms_u32 2059598336 VehDyn_AutoCntrDetSpd_M_str.Filter2_ms_u32 2059598336 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3889476708 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSv_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cn	target VehDvn Per1 CwEOT HwDeg f32 value	
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 Name Expected Value VehDyn_AllowHiSpAdutoCntr_Cnt_Mlgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 109643620 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2138628886 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1482.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1900.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initalized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initalized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 21482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDy		
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VehDyn_AutoCntrDetSpd_M_str.Rimer2_mS_u32 2138628886 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1482.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1900.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2ms_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476708 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.5 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 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.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 <td></td> <td></td>		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 -1482.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 1900.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.5 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.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_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476708 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.5 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 109643620		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476708 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.5 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476708 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.5 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3589476708 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.5 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1482.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.5 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2059598336
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.5 ± 0.009 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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.5 ± 0.009 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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.40002 ± 0.009
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_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
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.Timer1_mS_u32 109643620		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 109643620		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2138628886		
	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886

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VehDyn_Per1



Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	593.797974
VehDyn_MinOffset_HwDeg_M_f32	832.25
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9914389 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.312000006 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1127.44995 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M lgc	1
/ehDyn_AiloWniSpuAutoCntt_Cnt_wi_gc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.099985
enbyn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32	4.099999
ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	25.1000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_nwDeg_132 ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
· - ·	31368
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	164464918
ehDyn_AutoCotrDetSpd_M_str.Timer1_mS_u32	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.96999997e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000742000004
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	75.1999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.69999981
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000541999994
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004
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	2.9000001
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.9000001
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.7999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.33999994e-005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000742000004
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1 0
VehDyn_LoSpdLearnt_Cnt_M_lgc	•
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	598.789978 -1131.68994
VehDyn PinTrqSV M str.SV UIs f32	8.89999962
VehDyn PinTrgSV M str.K Uls f32	0.000368000008
VehDyn SLPHwAuth Uls M f32	0.296999991
VehDyn_SLPHwPos_HwDeg_M_f32	-1117.18994
k HiSpdVDAuthority Uls f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	53.2999992
k_TravelXCDeadband_Uls_f32	67.4899979
k_TravelXCHwAuthority_Uls_f32	0.0717500001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208
target_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1150.18994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	876.961975
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.25
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-158.710007 1988.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target VehDyn Per1 VehicleSpeed Kph f32.value	35.8199997
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005 ± 0.009
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.Timer1_mS_u32	800969984
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024 ± 0.0009
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.Timer1_mS_u32	800969984
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCatrl oSpd_M_str.Filter2Enable_Cnt_Igc	1
VehDyn_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 -1111.13794
VehDyn_LoSpdLearnt_Cnt_M_lgc	0





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	856.409973 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1.
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.98000009e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1.
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	66.1999969
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	50.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00054400001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
VehDyn_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
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn AutoCntrLoSpd M str.Timer1 mS u32	219286216
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.37999988e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000744000019
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	603.781982
VehDyn_MinOffset_HwDeg_M_f32	-1125.00598





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Name	Input Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000368999987
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.282000005 -1106.93005
k HiSpdVDAuthority Uls f32	0
k LoSpdVDAuthority Uls f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	68.9300003
k_TravelXCHwAuthority_Uls_f32	0.0729750022
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4195077888
target_GetSystemTime_mS_u32_CurrentTime	569984000
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1143.93005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	887.869019 -9.32999992
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-9.32999992 753.640015
target VehDyn Per1 RelHwPos HwDeg f32.value	1991.90002
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002 ± 0.009
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.Timer1_mS_u32	569984000
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002 ± 0.009
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.Timer1 mS u32	
VehDyn AutoCntrLoSpd M str.Timer ms_us2	219286216 2553156835
VehDyn_AutoCntrLoSpd_M_str.Timet2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	2535150655 456.5 ± 0.0009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	887.869019
VehDyn_MinOffset_HwDeg_M_f32	-1143.93005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8913927 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0729750022 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	847.969971 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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
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	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.98999998e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988
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	7.099999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12258
VenDyn_AutoCntrHiSpd_M_str.Timer2Tnresn_mS_u16 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	-1482.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000546000025
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002
VehDyn_AutoChtrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00875999976
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	8.89999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.41999982e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988
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_Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	608.773987
VehDyn_MinOffset_HwDeg_M_f32	-1118.32202
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00036999994
VehDyn_SLPHwAuth_Uls_M_f32	0.26699999
VehDyn_SLPHwPos_HwDeg_M_f32	-1096.67004
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	96.099985
Transition of the set the foc	70.3700027
k_TravelXCDeadband_Uls_f32	0.0744000000
k_TravelXCHwAuthority_Uls_f32	0.0741999969
k_TravelXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824
k_TravelXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	2339853824 3351443200
k_TravelXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-1137.67004
target VehDyn Per1 CwEOT HwDeg f32.value	898.776001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.40999985
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.139999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2000.01001
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	4.9000001
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0
target VehDyn Per1 VehicleSpeed Kph f32.value	38.6699982
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
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.Timer1_mS_u32	3351443200
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
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.Timer1_mS_u32	3351443200
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	898.776001
VehDyn_MinOffset_HwDeg_M_f32	-1137.67004
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.7936511 ± 0.000009
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.0741999969 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1101.23401 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.52 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	400.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.099998
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	53759

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.0000011e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	79.099985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	26195
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000547999982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1991.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	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	400.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.900002
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.8000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.46000013e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	613.765991
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794
VehDyn_PinTrqSV_M_str.SV_UIs_f32	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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1900.87
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.3699989
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994 ± 0.0009
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.Timer1_mS_u32	1358028288
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
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.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-991.187012
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19533825 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.252000004 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1086.41003 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.53 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	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	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.01e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
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	2.0999999
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	199

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Name	Input Value
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	456.100006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000549999997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
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
/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	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.50000007e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
/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_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	618.757996
/ehDyn_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
k_HiSpdVDAuthority_Uls_f32	0.670000017
LoSpdVDAuthority_Uls_f32	0
x_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
x_TravelXCDeadband_Uls_f32	73.25
x_TravelXCHwAuthority_Uls_f32	0.0766500011
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
arget_GetSystemTime_mS_u32_CurrentTime	1975593216
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_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	-1125.15002
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027
arget_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.56999969
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1235.5
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.90002
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.179993
Name	Expected Value
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
	-2500.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 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	

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Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1975593216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.100006 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
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.Timer1_mS_u32	1975593216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009
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_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	775.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40158939 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.237000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1076.15002 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.54 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	136.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.01999989e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000752000022
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	124
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000552000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1

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Name	Input Value
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	200.800003
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	136.899994
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	14.8000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.54000001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000752000022
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_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-623.75
VehDyn_MinOffset_HwDeg_M_f32	-1098.27002
VehDyn_PinTrqSV_M_str.SV_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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	910116864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-1482.40002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.5750008
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	910116864
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	931.497009
VehDyn_MinOffset_HwDeg_M_f32	-1118.89001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.7935214 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.222000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1065.89001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	457.100006
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	146.100006
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	16.1000004
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	32.099985
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	33198
'ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7778
'ehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3589476708
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.40002
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.03000002e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.30005
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000753999979
/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	350
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.0999985
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	2.20000005
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	97
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
'ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	60000
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	4290967295
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	164464918
'ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.299988
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000554000027
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.59998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000883999979
/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	457.600006
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	146.100006
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	16.6000004
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	32.0999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV HwDeg_str.SV Uls_f32	-1438.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.57999995e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000753999979
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	628.742004
VehDyn_MinOffset_HwDeg_M_f32	-1091.58606
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000373999996
VehDyn_SLPHwAuth_Uls_M_f32	0.207000002
VehDyn_SLPHwPos_HwDeg_M_f32	-1055.63
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	32
k_TravelXCDeadband_Uls_f32	76.1299973
k_TravelXCHwAuthority_UIs_f32	0.0790999979
target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime	2059598336 402713344
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1112.63
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	942.403992
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.72999954
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.900024 -753.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.2000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75.9100037
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
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.Timer1_mS_u32	402713344
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918 753 200088 + 0 0000
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009 -1438.59998 ± 0.009
VehDyn_AutoCntrhiSpd_M_str.Filter1Enable_Cnt_lgc	-1436.39996 ± 0.009
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.Timer1_mS_u32	402713344
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1.3
·	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 942.403992
VehDyn_LoSpdLearnt_Cnt_M_lgc	0





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1055.63 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	3.7999995
/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	2553156835
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.599976
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.03999991e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999
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	456.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000555999984
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.69995
	0.000885999994
/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	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.100006
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	52.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.599976
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.61999989e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000755999994
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_nispuceam_on_wigc	1
ehDyn_milanze_cit_wi_gc	1
ehDyn_tosputeant_cnt_w_gc /ehDyn_MaxOffset_HwDeg_M_f32	633.734009
ehDyn_MinOffset_HwDeg_M_f32	-1084.90198





Name	Input Value
VehDyn_PinTrqSV_M_str.SV_UIs_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
k_HiSpdVDAuthority_Uls_f32	0.170000002
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-1253.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.700012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-5.4000001 1
	159.820007
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835 3796740682
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	753.599976 ± 0.0009 2800.3999 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	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.Timer1_mS_u32	4178051584
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456,200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.69995 ± 0.009
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.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.599976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	
	496.610992
VehDyn_MinOffset_HwDeg_M_f32	496.610992 -1084.90198
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1084.90198 -5.40169239 ± 0.000009
VehDyn_MinOffset_HwDeg_M_f32	-1084.90198

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 ChecknointReached	1



Test Step 2.57 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	166.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.05000003e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000758000009
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_Igc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	600
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.2000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.099999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42 49475
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	38708 2160073393
, = = = = = =	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrhiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000558
VehDyn AutoCntrhiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1885.90002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.0088800001
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	539.599976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32	5.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.65999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0.00899999961
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_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

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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 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 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	-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	-2500.1001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0
target VehDyn Per1 VehicleSpeed Kph f32.value	357.25
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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.Timer1_mS_u32	4077829376
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.90002 ± 0.009
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.Timer1_mS_u32	4077829376
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	638.726013
VehDyn_MinOffset_HwDeg_M_f32	1399.98999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59369612 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.00899999961 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1061.80005 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.58 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_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	176.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.05999993e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000760000024
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
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1000004
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	328928812
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000560000015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.5
	0.000890000025
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1
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.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.200012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.70000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000760000024
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	643.718018
	-1071.53406
VehDyn_MinOffset_HwDeg_M_f32	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000376999989
VehDyn_SLPHwAuth_Uls_M_f32	0.162
VehDyn_SLPHwPos_HwDeg_M_f32	-1024.84998
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	0.980000019
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	80.4499969
k_TravelXCHwAuthority_UIs_f32	0.0827749968
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3351443200
target_GetSystemTime_mS_u32_CurrentTime	2644937728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_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_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	
	target VenDyn Peri VenicleSpeedValid Cht idc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1093.84998
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





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2600.69995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.549988
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5 ± 0.0009
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.Timer1_mS_u32	2644937728
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.5 ± 0.0009
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.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	975.125
VehDyn_MinOffset_HwDeg_M_f32	-1093.84998
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.497949 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.162 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1024.84998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.59 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	621.799988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.07000005e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000761999981
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	457
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.2000008

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000561999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000891999982
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	621.299988
VehDyn_AutoCottleSed_M_str.VehSpd_kph_f32	186.199997 7.30000019
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1991.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.7400008e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000761999981
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-648.710022
VehDyn_MinOffset_HwDeg_M_f32	-1064.84998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000377999997
VehDyn_SLPHwAuth_Uls_M_f32	0.147
VehDyn_SLPHwPos_HwDeg_M_f32	-1014.59003
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0.75999999
k_SysKinRatio_MtrDegpHwDeg_f32	86 81.8899994
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0.083999989
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1358028288
target_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 VehDyn.VehDyn Per1 CwEOT 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_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	-1087.58997
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	986.031982
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.57999992
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1199.19995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2400.5
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	258.200012
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948759
, – , – – – –	4290967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
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	1991.30005 ± 0.009 -1988.59998 ± 0.009
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	1991.30005 ± 0.009 -1988.59998 ± 0.009 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	1991.30005 ± 0.009 -1988.59998 ± 0.009

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Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2212175616
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 ± 0.000009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002 ± 0.009
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.Timer1_mS_u32	2212175616
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.59998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	986.031982
VehDyn_MinOffset_HwDeg_M_f32	-1087.58997
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60113347 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-411.899994 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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
/ehDyn_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	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.07999994e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.5
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
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000563999987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1

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VenDigs Association March Internacy Internac	VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3382212733
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larget, Rie, Inst., Ap., VehDyn, VehDyn, Pert., LewEOT, HwDeg, fi2 target, VehDyn, Pert., LewEOT, HwDeg, fi2 larget, Rie, Inst., Ap., VehDyn, VehDyn, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Pert., ResordessAuthority, Uls., fi2 target., VehDyn, Pert., Rell-WPos, Jav. Michorou, Pert., Vehicle, Speed Valid, Ch. Ligo. Larget, Rie, Inst., Ap., VehDyn, VehDyn, Pert., Pert., Pert., Michorou, Pert., VehDyn, Pert., Vehicle, Speed Valid, Ch. Ligo. target., VehDyn, Pert., Vehicle, Michorou, Pert., Vehicle, Speed Valid, Ch. Ligo. Larget, VehDyn, Pert., CWCOT, HwDeg, fi2x value 1-1081, 32996 Larget, VehDyn, Pert., Michorou, Pert., Web, St., Value 5-15899995 Larget, VehDyn, Pert., Michorou, Pert., Michorou, St., Value 4-599999 Larget, VehDyn, Pert., Michorou, Pert., Vehicle, Speed Valid, Ch. Ligo. 1 Larget, VehDyn, Pert., Vehicle, Speed Kyla, fi2x value 4-5999999 Larget, VehDyn, Pert., Vehicle, Speed Kyla, fi2x value 4-5999999 Larget, VehDyn, Pert., Vehicle, Speed Kyla, fi2x value 1 </td <td>target_GetSystemTime_mS_u32_CurrentTime</td> <td>2059598336</td>	target_GetSystemTime_mS_u32_CurrentTime	2059598336
larget, Rie, Inst., Ap., VehDyn, VehDyn, Pert., LewEOT, HwDeg, fi2 target, VehDyn, Pert., LewEOT, HwDeg, fi2 larget, Rie, Inst., Ap., VehDyn, VehDyn, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Rell-WPos, Jav. Michorou, Pert., Pert., ResordessAuthority, Uls., fi2 target., VehDyn, Pert., Rell-WPos, Jav. Michorou, Pert., Vehicle, Speed Valid, Ch. Ligo. Larget, Rie, Inst., Ap., VehDyn, VehDyn, Pert., Pert., Pert., Michorou, Pert., VehDyn, Pert., Vehicle, Speed Valid, Ch. Ligo. target., VehDyn, Pert., Vehicle, Michorou, Pert., Vehicle, Speed Valid, Ch. Ligo. Larget, VehDyn, Pert., CWCOT, HwDeg, fi2x value 1-1081, 32996 Larget, VehDyn, Pert., Michorou, Pert., Web, St., Value 5-15899995 Larget, VehDyn, Pert., Michorou, Pert., Michorou, St., Value 4-599999 Larget, VehDyn, Pert., Michorou, Pert., Vehicle, Speed Valid, Ch. Ligo. 1 Larget, VehDyn, Pert., Vehicle, Speed Kyla, fi2x value 4-5999999 Larget, VehDyn, Pert., Vehicle, Speed Kyla, fi2x value 4-5999999 Larget, VehDyn, Pert., Vehicle, Speed Kyla, fi2x value 1 </td <td>target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32</td> <td>target VehDyn Per1 CcwEOT HwDeg f32</td>	target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32
larget, Rei, Inst, Ap, Verhöpn, Verhöpn, Pert HwTorque, HwNm, f.32 larget, Verhöpn, Pert HwTorque, HwNm, f.32 larget, Rei, Inst, Ap, Verhöpn, Verhöpn, Pert ReithwFos, HwDeg, f.32 larget, Verhöpn, Pert ReithwFos, HwDeg, f.32 larget, Rei, Inst, Ap, Verhöpn, Verhöpn, Pert SensoriessAuthority, Uis, f.32 larget, Verhöpn, Pert SensoriessAuthority, Uis, f.32 larget, Rei, Inst, Ap, Verhöpn, Verhöpn, Pert, SensoriessAuthority, Uis, f.32 larget, Verhöpn, Pert, SensoriessAuthority, Uis, f.32 larget, Rei, Inst, Ap, Verhöpn, Verhöpn, Pert, VerhicleSpeed Mph, f.32 larget, Verhöpn, Pert, SensoriessAuthority, Uis, f.32 larget, Rei, Inst, Ap, Verhöpn, Verhöpn, Pert, VerhicleSpeed Mph, f.32 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32 larget, Verhöpn, Pert, Limb Creue, Hwithn, f.32, value 996, 39926 larget, Verhöpn, Pert, ReithwFos, Pert, ReithwFos, Perhode, f.32, value 108, 329999 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32, value 11 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32, value 12 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32, value 399, 10006 larget, Verhöpn, Pert, VerhicleSpeed Mph, f.32, value 190, 200, 200, 20		
larget_Rie_Inst_Ap_VehDyn_VehDyn_Per1_MotorVeiCRF_MtrRadpS_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_ReiHvPos_HvDog_f32 target_VehDyn_Per1_ReiHvPos_HvDog_f32 target_VehDyn_Per1_ReiHvPos_HvDog_f32 target_VehDyn_Per1_ReiHvPos_HvDog_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehIndeSpeedValid_Cnt_Igo target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_VehIndeSpeedValid_Cnt_Igo target_VehDyn_Per1_VehIndeSpeedValid_Cnt_Igo target_VehDyn_Per1_VehIndeSpeedValid_Cnt_Igo target_VehDyn_Per1_VehIndeSpeedValid_Cnt_Igo target_VehDyn_Per1_VehIndeSpeedValid_Cnt_Igo target_VehDyn_Per1_VehIndeSpeedValid_Cnt_Igo target_VehDyn_Per1_VehIndeSpeedValid_Cnt_Igo target_VehDyn_Per1_VehIndeSpeed_Kpf_f32 target_VehDyn_Per1_VehIndeSpeed_Kpf_f32 target_VehDyn_Per1_VehIndeSpeed_Kpf_f32 target_VehDyn_Per1_VehIndeSpeed_Kpf_f32 target_VehDyn_Per1_NetricleSpeed_Kpf_f32 target_VehDyn_Per1_NetricleSpeed_Kpf_f32 target_VehDyn_Per1_NetricleSpeed_Kpf_f32 target_VehDyn_Per1_NetricleSpeed_Kpf_f32 target_VehDyn_Per1_VehIndeSpeed_Kpf_f32 target_VehDyn_Per1_VehIndeSpeed_Kpf_f32 target_VehDyn_Per1_VehIndeSpeed_Kpf_f32 target_VehDyn_Per1_VehIndeSpeed_VehIndeXpf_f32 target_VehDyn_AutoCntrDetSpd_M_str_Timer1_ms_u32 target_VehDyn_AutoCntrDetSpd_M_str_Timer2_ms_u32 target_VehD		
target_Re_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDog_132 target_VehDyn_Per1_RelHwPos_HwDog_132 target_VehDyn_Per1_SensorlessAuthonity_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthonity_Uis_132 target_VehDyn_Per1_SensorlessAuthonity_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthonity_Uis_132 target_VehDyn_Per1_SensorlessAuthonity_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehiclesSpeed/RefF_MirNm_132 target_VehDyn_Per1_TorqueCmdCRF_MirNm_132 target_VehDyn_Per1_CwEo_ThuDog_132_value target_VehDyn_Per1_VehicleSpeed_Kpf_132 target_VehDyn_Per1_CwEo_ThuDog_132_value +1081_32986 target_VehDyn_Per1_Mortorue_HwNm_152_value +515999985 target_VehDyn_Per1_Mortorue_HwNm_152_value +515999995 target_VehDyn_Per1_NelicleSpeed/Valid_Cnt_1gc_value 1299.5 target_VehDyn_Per1_VehicleSpeed/Valid_Cnt_1gc_value 14 target_VehDyn_Per1_VehicleSpeed/Valid_Cnt_1gc_value 14 target_VehDyn_Per1_VehicleSpeed/Valid_Cnt_1gc_value 14 VehDyn_Allochtitoetspd_M_str_Timer_ms_us2 3382212733 VehDyn_AutoCntribetspd_M_str_Timer_ms_us2 3382212733 VehDyn_AutoCntribetspd_M_str_Tilert_Enable_Cnt_1gc 0 VehDyn_AutoCntribetspd_M_str_Tilert_Enable_Cnt_1gc 0 VehDyn_		
target_Rie_Inst_Ap_VehDyn.Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rie_Inst_Ap_VehDyn.Per1_SensoriessAwiPos_HwDeg_f32 target_VehDyn_Per1_SensoriessHwDeg_f32 target_Rie_Inst_Ap_VehDyn.Per1_SensoriessHwDeg_f32 target_VehDyn_Per1_Torque_CmdCRF_MirNm_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_CweEOT_HwDeg_f32 value target_VehDyn_Per1_CowEOT_HwDeg_f32 value -1081.32996 target_VehDyn_Per1_Mortorque_HwNm_f32 value -515999985 target_VehDyn_Per1_Mortorque_HwNm_f32 value -515999985 target_VehDyn_Per1_Mortorque_HwNm_f32 value -5159999999 target_VehDyn_Per1_Mortorque_HwNm_f32 value -1299.5 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 value -1299.5 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 value 459999999 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 value 100006 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 value 11 VehDyn_AutoCntrDelSpd_M_Str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrDelSpd_M_Str.Timer2_mS_u32 -2400.6001 ± 0.009 VehDyn_AutoCntrDelSpd_M_Str.Tiler1Ensibe_Cnt_lge 0 VehDyn_AutoCntrDelSpd_M_str.Filter2Ensibe_Cnt_lge 1 VehDyn_AutoCntrHiSpd_M_		
target_Re_Inst_Ap_VehDyn.Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Re_Inst_Ap_VehDyn.Per1_TorqueCmdCRF_MrNm_f32 target_VehDyn.Per1_TorqueCmdCRF_MrNm_f32 target_Re_Inst_Ap_VehDyn.Per1_VehicleSpeed (In fuge target_VehDyn.Per1_TorqueCmdCRF_MrNm_f32 target_VehDyn.Per1_CwCOT_HwDeg_f32-value -1081.32998 target_VehDyn.Per1_CwCOT_HwDeg_f32-value 996.399026 target_VehDyn.Per1_MrTorque_HwNm_f32-value -515999985 target_VehDyn.Per1_Mrtorque_HwNm_f32-value -1299.5 target_VehDyn.Per1_TorqueCmdCRF_Mrtnm_f32-value 459999999 target_VehDyn.Per1_TorqueCmdCRF_Mrtnm_f32-value 459999999 target_VehDyn.Per1_VehicleSpeed Vali_Cnt_Igc_value 18900006 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_ms_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 2400.0001 to.009 VehDyn_AutoCntrDetSpd_M_str.FilterEnable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FilterEnable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_Igc 1 VehDyn_AutoCntrHiSpd_M_str.FilterInitialized_Cnt_Igc 1440.88 ± 0.009 <td></td> <td></td>		
target_Rel_inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcvEOT_HwDeg_f32_value .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.32996 .1081.3299985 .1081.3299985 .1081.3299985 .1081.3299985 .1081.3299985 .1081.3299985 .1081.329999985 .1081.329999985 .1081.329999985 .1081.329999985 .1081.3299999		target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CweCp_TSV_aule 1-081,3296 target_VehDyn_Per1_CweCp_TSV_aule 966,939026 target_VehDyn_Per1_HwTorque_HwNm_f32.value 5-15999985 target_VehDyn_Per1_Men_f32.value 1299,5 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 2800,6001 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value 11 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value 11 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 369,100006 Name Expected Value VehDyn_AllowHiSpdAulocntr_Cnt_M_Igc 1 VehDyn_AutoCntrDelSpd_M_str_Timer1_mS_u32 3382212733 VehDyn_AutoCntrDelSpd_M_str_Timer1_mS_u32 1768320779 VehDyn_AutoCntrDelSpd_M_str_FilterYesFiltSV_HwDeg_str.SV_UIs_f32 1986.5 ± 0.009 VehDyn_AutoCntrDelSpd_M_str_FilterSpaile_Cnt_Igc 0 VehDyn_AutoCntrDelSpd_M_str_Filter_Installed_Cnt_Igc 1 VehDyn_AutoCntrDelSpd_M_str_Filter_Silter_Installed_Cnt_Igc 1 VehDyn_AutoCntrDelSpd_M_str_Filter_Silter_Installed_Cnt_Igc 1 <	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rel_inst_Ap_VehDyn.VehDyn_Perl_VehicleSpeed_Kph_f32 target_VehDyn_Perl_CwECT_HwDeg_f32_value 1081.32996 target_VehDyn_Perl_CwECT_HwDeg_f32_value 996.939026 target_VehDyn_Perl_MolorVelCRF_MtrRadpS_f32_value 5.55999985 target_VehDyn_Perl_MolorVelCRF_MtrRadpS_f32_value 1.299.5 target_VehDyn_Perl_RelHwPos_HwDeg_f32_value 4.59999999 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f32_value 4.59999999 target_VehDyn_Perl_VehicleSpeedValid_Cnt_igc_value 1 target_VehDyn_Perl_VehicleSpeed_Veh_f32_value 369.100006 WehDyn_Perl_VehicleSpeed_Veh_f32_value 369.100006 VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc 1 VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc 1 VehDyn_AutoCntrDetSpd_M_str.Timerl_mS_u32 3882212733 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uis_f32 2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uis_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt_igc 0 VehDyn_AutoCntrDetSpd_M_str.FitterInitialized_Cnt_igc 1 VehDyn_AutoCntrHiSpd_M_str.FitterInitialized_Cnt_igc 1 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uis_f32 2138628886	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -1081.32996 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 996.939026 target_VehDyn_Per1_MwTorque_HwNlm_f32.value -515999.5 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 2800.6001 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 459999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value 1 target_VehDyn_Per1_VehicleSpeed_Kpf_f32.value 369.100006 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_Migc 1 VehDyn_AllowHiSpdAutoCntr_Ent_Migc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 10 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_igc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_igc 1 VehDyn_AutoCntrHiSpd_M_str.FilterPashe_Cnt_igc 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FilterPashe_Cnt_igc 0 <td>target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc</td> <td>target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc</td>	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_VehDyn_Per1_CxcEOT_HwDeg_f32.value -1081.32996 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 996.939026 target_VehDyn_Per1_MwTorque_HwNm_f32.value -5.15999.5 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 2800.6001 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Per1_VehicleSpeed_Mpf_f12.value 1 target_VehDyn_Per1_VehicleSpeed_Mpf_f32.value 369.100006 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AllowHiSpdAutoCntr_Str_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 382212733 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt3V_HwDeg_str.SV_Uls_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt3V_HwDeg_str.SV_Uls_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FilterPashle_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.FilterPashle_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.FilterPashle_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.FilterPashle_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.FilterPashle_On_lgc 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FilterPashle_Cnt_lgc 1440.88 ± 0.009	target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed Kph f32
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 1299.5 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 2800.6001 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Per1_VehicleSpeedValld_Cnt_lgc_value 1 target_VehDyn_Per1_VehicleSpeedValld_Cnt_lgc_value 369.100006 Name Expected Value VehDyn_AllowHiSpdAutbCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 1440.88 ± 0.009 <		-1081.32996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f3z_value -5.15999985 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f3z_value -1299_5 target_VehDyn_Per1_RelHwPos_HwDeg_f3z_value 2800.6001 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f3z_value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 target_VehDyn_Per1_VehicleSpeed_Kph_f3z_value 309.100006 Name Expected Value VehDyn_AllovHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_lgc 1 VehDyn_AutoCntrIniSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FilterPenable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.FilterPenable_Cnt_lgc<		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -1299.5 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 2800.6001 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 369.100006 Name Expected Value VehDyn_AllovHiSpdAdutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 388212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 213862886 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2En	· - · · - · · -	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 2800.6001 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc value 1 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 369.100006 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 3882121733 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 1078320779 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1988.5 ± 0.009 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1988.5 ± 0.009 VehDyn_AutoCntrDelSpd_M_str.Fitter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDelSpd_M_str.Fitter2Enable_Cnt_Igc 0 VehDyn_AutoCntrDelSpd_M_str.Fitter1Initialized_Cnt_Igc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2138628886 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 1		
target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc.value 1 target_VehDyn_Pert_VehicleSpeed_Kph_f32.value 369.100006 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.RieHwPosFittSV_HwDeg_str.SV_Uis_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uis_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FilterIEnable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FilterIEnable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_Igc 1 VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_Igc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2138628886 VehDyn_AutoCntrHiSpd_M_str.FilterInitialized_Cnt_Igc 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uis_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FilterInitialized_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.FilterInitialized_Cnt_Igc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_I		11.1
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 1 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 382212733 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiitISV_HwDeg_str.SV_UIs_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiitISV_HwDeg_str.SV_UIs_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1		
Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilttSV_HwDeg_str.SV_UIs_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilttSV_HwDeg_str.SV_UIs_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1sh_usia2 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initi	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1sh_usia2 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initi	target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	369.100006
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 1078320779 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.6001 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1988.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2138628886 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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.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_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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 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.Filter3Initialized_Cnt_lgc		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter3_nitialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter3_nitialized_Cnt_lgc 0	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2138628886 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter31a123 3382212733	7 - 1	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2138628886 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 3382212733		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2059598336 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2138628886 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3382212733	7 - 1 - 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2138628886 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1440.88 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 3382212733		
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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter32 3382212733		
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 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 3382212733		
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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3382212733	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88 ± 0.009
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.Timer1_mS_u32 3382212733	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
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.Timer1_mS_u32 3382212733	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3382212733	· - · - ·	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3382212733		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3382212733	·	
venuyn_autoUntrLoSpd_M_str.Timer2_mS_u32 1078320779		
	venuyn_AutoCntrLoSpa_M_str.1imer2_mS_u32	10/8320//9

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1803.66101
VehDyn_MinOffset_HwDeg_M_f32	-1058.16602
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7963152 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.131999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1004.33002 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime mS u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
, = - = = = = = = = = = = = = = = = = =	
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.09998
/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	3589476708
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.09000006e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000766000012
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	539
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000896000012
/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	124.5
'ehDyn AutoCntrLoSpd M str.VehSpd kph f32	206.399994
'ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	3.5
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	97.4000015
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	30404
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	3589476708
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	2800.30005
/ehDyn_AutoCntrLoSpd_wi_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.81999996e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1 0
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32	658.69397
VehDyn_MinOffset_HwDeg_M_f32	-1051.48206
VehDyn PinTrgSV M str.SV Uls f32	17.7999992
VehDyn PinTrgSV M str.K Uls f32	0.000380000012
VehDyn SLPHwAuth Uls M f32	0.116999999
VehDyn_SLPHwPos_HwDeg_M_f32	-994.070007
k HiSpdVDAuthority Uls f32	1
k_LoSpdVDAuthority_Uls_f32	0.870000005
k_SysKinRatio_MtrDegpHwDeg_f32	54.5
k_TravelXCDeadband_Uls_f32	84.7699966
k_TravelXCHwAuthority_Uls_f32	0.0864500031
target_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864
target_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1075.06995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1007.84601
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.73999977 -147.699997
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.099397 -1438.30005
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 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	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
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.Timer1_mS_u32	800969984
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
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.Timer1_mS_u32	800969984
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCatrl oSpd_M_str.Filter2Enable_Cnt_Igc	1
VehDyn_AutoCotrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1
VehDyn_Initialize_Cnt_M_lgc	
VehDyn LoSedLearnt Cnt M Igo	0
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MayOffset_HwDen_M_f32	0 658 69397
VehDyn_MaxOffset_HwDeg_M_f32	658.69397





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.62 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	138.800003
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.800003
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	1.79999995
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	86.8000031
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	10412
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.09999996e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.5
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000768000027
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	45.2000008
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	33198
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000898000028
/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	138.699997
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.100006
, - , , -, -	1.7000005
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	86.099985
/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	3796740682
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-1438.59998
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	4.859999e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	-2400.5 0.000768000027
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	663.685974
/ehDyn_MinOffset_HwDeg_M_f32	-1044.79797





Name	Invest Value
Name VehDyn_PinTrqSV_M_str.SV_UIs_f32	Input Value
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00380999991
VehDyn_SLPHwAuth_Uls_M_f32	0.101999998
VehDyn_SLPHwPos_HwDeg_M_f32	-983.809998
	-903.009990
k_HiSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32	0.566999972
_ '	85.099985
k_SysKinRatio_MtrDegpHwDeg_f32	86.2099991
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0.0876749977
target_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344
target_GetSystemTime_mS_u32_CurrentTime	2659241984
	target VehDyn Per1 CcwEOT HwDeg f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_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	-1068.81006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1018.75299
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.32000017
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.5999985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	753.109985
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.5
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
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.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2659241984
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.29443 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
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.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1018.75299
VehDyn_MinOffset_HwDeg_M_f32	-1068.81006
	0.00070.400 + 0.000000
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99973488 ± 0.000009
VehDyn_PinTrqSV_M_str.SV_UIs_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-6.999/3488 ± 0.000009 0.101999998 ± 0.004 -983.809998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
DtrmnElapsedTime_mS_u32	1
GetSystemTime_mS_u32	2
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



est Step 2.63 (Repeat Count = 1)	Input Value
lame htmnElapsedTime_mS_u32(ElapsedTime)	Input Value target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target_Dtrimic_lapsed filine_inis_usz_clapsed filine target GetSystemTime mS u32 CurrentTime
te_Inst_Ap_VehDyn	target_Octoysternmin_mo_asz_ouncit/nine
ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.9000015
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.899994
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.9000001
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.9000015
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3.11000008e-006 2800.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000769999984
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798 -1482.09998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.0089999985
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	86.099985
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.699997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.7000008
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.30005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.8999984e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	2800.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000769999984
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 1
enDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn HiSpdLearnt Cnt M Igc	0
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	668.677979
ehDyn_MinOffset_HwDeg_M_f32	-1038.11401
ehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000381999998
ehDyn_SLPHwAuth_Uls_M_f32	0.0869999975
ehDyn_SLPHwPos_HwDeg_M_f32	-973.549988
_HiSpdVDAuthority_Uls_f32	1
_LoSpdVDAuthority_Uls_f32	0.449999988
_SysKinRatio_MtrDegpHwDeg_f32	96
_TravelXCDeadband_Uls_f32	87.6500015
_TravelXCHwAuthority_Uls_f32	0.088899999
lirget_DtrmnElapsedTime_mS_u32_ElapsedTime	4178051584
arget_GetSystemTime_mS_u32_CurrentTime	2942063360
arget Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32

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Name	Input Value
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 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	-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	-1988.69995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target VehDyn Per1 VehicleSpeed Kph f32.value	354.700012
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4004004657
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2553156835
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1950.30005 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.19995 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lqc	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.Timer1 mS u32	2942063360
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.09998 ± 0.009
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.Filter2Initialized Cnt lgc	1
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2942063360
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2553156835
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1950.30005 ± 0.009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	1029.66003
VehDyn MinOffset HwDeg M f32	-1062.55005
VehDyn PinTrqSV M str.SV Uls f32	-1002.55005 6.29498005 ± 0.000009
target VehDyn Per1 SensorlessAuthority Uls f32.value	6.29498005 ± 0.000009 0.449999988 ± 0.004
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target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace		
Expected Function	Count	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	
Autocenter_f32	1	
GetSystemTime_mS_u32	1	
Autocenter_f32	1	
GetSystemTime_mS_u32	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_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	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.11999997e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 0.000771999999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	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 Igc	0
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	56.4000015
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	-1753.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	539.119995
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.020004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.11999989
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0200005 12258
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	36416
VenDyn_AutoCntrLoSpd_M_str.Timer2Thresi1_inis_u16 VenDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.94000014e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.40002
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-673.669983
VehDyn_MinOffset_HwDeg_M_f32	-1031.43005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000383000006
VehDyn_SLPHwAuth_Uls_M_f32	0.0719999969
/ehDyn_SLPHwPos_HwDeg_M_f32	-963.289978
K_HiSpdVDAuthority_Uls_f32	0.20000003
<_LoSpdVDAuthority_Uls_f32 < SvcKinPatio_MtrDeapHwDeg_f32	0.37000005
<_SysKinRatio_MtrDegpHwDeg_f32 <_TravelYCDeadhand_Llls_f32	97.0999985 89.0899963
<_TravelXCDeadband_Uls_f32 <_TravelXCHwAuthority_Uls_f32	89.0899963
<_TraveIXCHwAuthority_Uls_f32 arget_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000
arget_DummElapsedTime_mS_u32_ElapsedTime arget GetSystemTime mS u32 CurrentTime	4077829376
arget_GetSystemTime_ms_usz_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
rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
rarget_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
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
	1040.56702
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1040.30702





Name	Input Value
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1885.40002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.5800018
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
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.Timer1_mS_u32	4077829376
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.30005 ± 0.009
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.Timer1_mS_u32	4077829376
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-844.833008
VehDyn_MinOffset_HwDeg_M_f32	-1031.43005
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59424639 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.370000005 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.1300001e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995
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

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Name	Input Value
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
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	456.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000561999972
VehDyn_AutoCatrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 0.000904000015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.0200005
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.119995
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.01999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1199999
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.98000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	678.661987
VehDyn_MinOffset_HwDeg_M_f32	-1024.74597
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000384000014 0.057
VehDyn_SLPHwPos_HwDeg_M_f32	-953.030029
k HiSpdVDAuthority Uls f32	0
k LoSpdVDAuthority Uls f32	0.870000005
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k TravelXCDeadband Uls f32	90.5299988
k TravelXCHwAuthority Uls f32	0.0913499966
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4077829376
target 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_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	-1050.03003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1051.474
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.100006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988.59998
	-4.5999999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	1 126.410004
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	1 126.410004 Expected Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 126.410004 Expected Value 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	1 126.410004 Expected Value 0 1117112832
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 126.410004 Expected Value 0





Name	Expected 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.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
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.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-937.125977
VehDyn_MinOffset_HwDeg_M_f32	-1024.74597
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1910133 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0913499966 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	963.854004 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	96.1999969
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.199997
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.1399999e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000775999972
/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	116
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000563999987
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000905999972

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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	96.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	6.5 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	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.02000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000775999972
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	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	683.653992
VehDyn_MinOffset_HwDeg_M_f32	-1018.06201
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14
VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32	0.000384999992 0.041999994
VehDyn_SLPHwPos_HwDeg_M_f32	-942.77002
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0.680000007
k_SysKinRatio_MtrDegpHwDeg_f32	52.0999985
k_TravelXCDeadband_Uls_f32	91.9700012
k_TravelXCHwAuthority_Uls_f32	0.0925749987
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2644937728
target_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_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_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 -1043.77002
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1062.38098
target VehDyn Per1 HwTorque HwNm f32.value	-2
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	1100.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1991.14001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.450012
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2967684784 753.200012 ± 0.0009
VehDyn AutoCntrDetSpd_M_str.ReihwFosFilt15V_HwDeg_str.Sv_dis_i32 VehDyn AutoCntrDetSpd_M_str.ReihwFosFilt2SV_HwDeg_str.Sv_Uls_i32	1950.40002 ± 0.0009
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.Timer1_mS_u32	1736795392
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_UIs_f32	-1482.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	3200 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0
	0





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1062.38098
VehDyn_MinOffset_HwDeg_M_f32	-1043.77002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.993804 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.680000007 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	40.7400017 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_132	1
GetSystemTime_mS_u32	1
Autocenter_132	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	186.100006
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	14.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	32821
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	53946
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	54822322
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3174948759
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1885.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.15000011e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
/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	138.199997
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126.199997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	53946
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2967684784
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	3382212733
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
/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	100.099998
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.05999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995
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_HiSpdLearnt_Cnt_M_lgc	1
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
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_Uls_f32	0.560000002
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	93.4100037
k_TravelXCHwAuthority_Uls_f32	0.0938000008
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2212175616
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1037.51001
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	-1235.59998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2400.19995
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3437401088
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1885.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lqc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
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	-753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 ± 0.000009
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrhispd_M_str.Filter2iffitialized_Cnt_igc VehDyn AutoCntrLoSpd M str.Timer1 mS u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
	1885.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5 ± 0.009 1885.19995 ± 0.009
	1885.19995 ± 0.009
VehDyn_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.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	·
VehDyn_MaxOffset_HwDeg_M_f32	1073.28796

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Name	Expected Value
VehDyn_MinOffset_HwDeg_M_f32	-1037.51001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89422703 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0270000007 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-932.51001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

lama	Input Value
temp[laneadTime, ms] v22/[laneadTime]	•
trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime mS u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS_u32_CurrentTime
,	
te_Inst_Ap_VehDyn ehDyn AllowHiSpdAutoCntr Cnt M lgc	target_Rte_Inst_Ap_VehDyn
7 - 7 - 2 - 2	
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.699997 196.699997
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.7000008
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.6999969 40437
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13059
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	109643620
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.16000001e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
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	86
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.100006
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000568000018
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
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	124.800003
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.100006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.0999991e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
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_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	693.638

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Name	Input Value
VehDyn_MinOffset_HwDeg_M_f32	-1004.69397
VehDyn_PinTrqSV_M_str.SV_Uls_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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0.76880002
k_SysKinRatio_MtrDegpHwDeg_f32	63.2999992
k_TravelXCDeadband_Uls_f32	94.8499985
k_TravelXCHwAuthority_UIs_f32	0.095025003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336
target_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_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_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	-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	2800.6001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.1999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.450012
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994 ± 0.0009
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.Timer1_mS_u32	3494315776
	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.100006 ± 0.0009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV_UIs_f32 VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV UIs f32	1440.88 ± 0.009
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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 3494315776
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	1 3494315776 3382212733
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	1 3494315776 3382212733 -1887.19995 ± 0.009
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	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1
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	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1 1 0
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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1 1 0 0
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 VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1 1 0 0 1
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 VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1 1 0 0 1 0 0
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 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	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1 1 0 0 0 1 0 -1716.40503
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.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	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1 1 0 0 1 0 0
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.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	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1 1 0 0 -1716.40503 -1004.69397 13.8915749 ± 0.00009
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.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	1 3494315776 3382212733 -1887.19995 ± 0.009 142.399994 ± 0.0009 0 1 1 0 0 -1716.40503 -1004.69397



Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.69 (Repeat Count = 1)	
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	78.5999985
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.600006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.5999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.1699999e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000782000017
/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	44
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146.100006
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25.2000008
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733 3796740682
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1885.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000569999975
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006 0.000912000018
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 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	78.0999985
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.800003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.7999992
ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	2291
ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	58929
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	164464918
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	3589476708
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1753.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.13999985e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000782000017
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	1
ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
ehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn HiSpdLearnt Cnt M Igc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	698.630005
ehDyn_MinOffset_HwDeg_M_f32	-998.01001
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005
ehDyn PinTrqSV M str.K Uls f32	0.000387999986





Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.0289999992
VehDyn_SLPHwPos_HwDeg_M_f32	-911.98999
k_HiSpdVDAuthority_Uls_f32	0.330000013
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	88.5
k_TravelXCDeadband_Uls_f32	96.2900009
k_TravelXCHwAuthority_Uls_f32	0.0962499976
target_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984
target_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
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_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	-1024.98999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1095.10205
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.80005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	62.2400017
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
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.Timer1_mS_u32	463842816
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006 ± 0.009
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.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1753.5 ± 0.009 -1900.19995 ± 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	-1753.5 ± 0.009 -1900.19995 ± 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 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	-1753.5 ± 0.009 -1900.19995 ± 0.009 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_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	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0 0 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0 0 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0 0 1 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0 0 1 1 1 1 1 698.630005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0 0 1 1 1 1 1 698.630005 413.809998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0 0 1 1 1 1 1 698.630005 413.809998 3.19639349 ± 0.000009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-1753.5 ± 0.009 -1900.19995 ± 0.009 1 0 0 1 1 1 1 1 698.630005 413.809998

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.580017
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.18000002e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
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	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00057199999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.580017
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.18000015e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.19995
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	703.622009
VehDyn_MinOffset_HwDeg_M_f32	-991.325989
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000388999993
VehDyn_SLPHwAuth_Uls_M_f32	0.0460000001
VehDyn_SLPHwPos_HwDeg_M_f32	-901.72998
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985
k_TravelXCDeadband_Uls_f32	97.7300034
k_TravelXCHwAuthority_UIs_f32	0.0974749997
	569984000
target_DtrmnElapsedTime_mS_u32_ElapsedTime	
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_GetSystemTime_mS_u32_CurrentTime	

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-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	-1253.69995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1950.05005
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.580017 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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.Timer1_mS_u32	1759885568
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
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.Timer1_mS_u32	1759885568
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.580017 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1106.00903
VehDyn_MinOffset_HwDeg_M_f32	-1018.72998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.3994298 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0460000001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-901.72998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.71 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.799988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.18999992e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
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
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	-1753.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000574000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5
	0.00125584798
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
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.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.FiltPinTrq_HwNm_f32	8.3999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.799988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.22000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
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 Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn MaxOffset HwDeg M f32	708.614014
,	
VehDyn_MinOffset_HwDeg_M_f32	-984.642029 7.5999999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.00039000001
VehDyn_SLPHwAuth_Uls_M_f32	0.063000001
VehDyn_SLPHwPos_HwDeg_M_f32	-891.469971
k_HiSpdVDAuthority_UIs_f32	0.879999995
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	97.099985
k_TravelXCDeadband_Uls_f32	99.1699982
k_TravelXCHwAuthority_Uls_f32	0.0987000018
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target_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_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_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	I=1012 46997
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1012.46997 1116.01602
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1116.91602
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1885.59998
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.799988 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
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.Timer1_mS_u32	1662097408
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5 ± 0.009
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.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.799988 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1116.91602
VehDyn_MinOffset_HwDeg_M_f32	-1012.46997
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59978867 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.879999995 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0.100000001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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
GetSystemTime_mS_u32(CurrentTime)	target_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	44.5999985
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	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.20000004e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995
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

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Name	Input Value
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	-2400.1001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00057600002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.1001
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	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	148.5
	140.3 5.26000003e-005
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	5.26000003e-005 -1438.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	713.606018
VehDyn_MinOffset_HwDeg_M_f32	-977.958008
VehDyn_PinTrqSV_M_str.SV_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
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k SysKinRatio MtrDegpHwDeg f32	10.3000002
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 Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1006.21002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1127.823
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.02999973
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1900.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.410004
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn AutoCntrDetSpd_M_str.Timer2_m3_u32 VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg_str.SV Uls_f32	148.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
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	-2400.1001 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.1001 ± 0.009
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.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-772.276978
VehDyn_MinOffset_HwDeg_M_f32	-977.958008
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59640932 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0799999982 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-881.210022 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
SetSystemTime mS u32(CurrentTime)	target 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	126.09998
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	328928812
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.799988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.20999993e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
/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	935.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000577999977
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1887.19995
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

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1 126.199997 236.300003
236.300003
4.30000019
32.2999992
20423
31368
328928812
4211268631
425.799988
5.2999998e-005
-2400.1001 0.00079000002
0
1
1
0
0
1
0
718.598022
-971.273987
1.5
0.000391999987
0.0970000029
-870.950012
1
0
86.5
97.1100006
0.101149999
2659241984
2127166208
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_UIs_f32
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target VehDyn Per1 VehicleSpeed Kph f32
-999.950012
1138.72998
8.53999996
-456.899994
-1887.30005
-8
0
42.3600006
Expected Value
1
328928812
4211268631
425.799988 ± 0.0009
-2400.1001 ± 0.009
1
1
0
0
2127166208
1024
935.200012 ± 0.0009
-1887.19995 ± 0.009
0
0
0
1
2127166208
2127166208 4211268631 425.799988 ± 0.0009





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	718.598022
VehDyn_MinOffset_HwDeg_M_f32	887.349976
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50272346 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0970000029 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-870.950012 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.74 (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_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	383750110
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.22000005e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995
/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.FiltPinTrg 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	-888.299988
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000579999993
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1753.09998
/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 Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	124.300003
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	246.199997
/ehDyn AutoCntrLoSpd M str.FiltPinTrg 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.Timer1Thresit_hts_u16	39056
/ehDyn_AutoCntrLoSpd_M_str.Timer2***inesi_ins_u*** /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32	2160073393
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.3399992e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791999977
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_HiSpdLearnt_Cnt_M_lgc	1 0
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	-723.590027
VehDyn_MinOffset_HwDeg_M_f32	-964.590027
VehDyn PinTrgSV M str.SV Uls f32	-1.6000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000392999995
VehDyn SLPHwAuth Uls M f32	0.114
VehDyn_SLPHwPos_HwDeg_M_f32	-860.690002
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-993.690002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1149.63696
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.05000019 -900.299988
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1753.40002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.7400017
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4243378688
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.5 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.19995 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1753.09998 ± 0.009
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.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1149.63696
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-993.690002 -1.59574151 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.114 ± 0.004
TOTAL VEHICAL PELL SELISUIESSAULIUILLY DIS 132.VAIUE	U. 1 17 ± U.004

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Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-860.690002 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Fest Step 2.75 (Repeat Count = 1)	Innut Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	456.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.22999995e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.199997
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	255468
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000582000008
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	935.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000155999995
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2999992
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2999992
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	54822322
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.09998
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.37999986e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn HiSpdLearnt Cnt M Igc	0
ehDyn_nispotearin_cht_m_igc ehDyn Initialize Cnt M Igc	0
,	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	•
/ehDyn_MaxOffset_HwDeg_M_f32	728.58197
/ehDyn_MinOffset_HwDeg_M_f32	-957.906006 44.0000003
/ehDyn_PinTrqSV_M_str.SV_Uls_f32 /ehDyn_PinTrqSV_M_str.K_Uls_f32	-14.8000002 0.000394000002





Name	Input Value
VehDyn SLPHwAuth Uls M f32	0.130999997
VehDyn_SLPHwPos_HwDeg_M_f32	-850.429993
k HiSpdVDAuthority Uls f32	1
k LoSpdVDAuthority UIs f32	0
k SysKinRatio MtrDegpHwDeg f32	12.1000004
k TravelXCDeadband Uls f32	95.0500031
k TravelXCHwAuthority UIs f32	0.103600003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_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_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	-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	935.799988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.839996
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998 ± 0.009 -1438.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1900.09998 ± 0.009 -1438.09998 ± 0.009 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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864
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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620
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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0 1 1 1050692864
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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0 1 1 1050692864 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.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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0 1 1 1050692864 54822322 1900.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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_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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0 1 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Shr.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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0 1 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0
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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.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.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.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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 0 0 1 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 0 1 1 0 0 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 0 0 1 1 0 0 0 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter2Enable_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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1 1050692864 54822322 1900.09998 ± 0.009 0 1 1 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 0 1 1 0 1 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 1 1 0 1 1 1 1 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.RelHwPosFilt1SV_HwDeg_str.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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0 1 11050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1.
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1



Test Step 2.76 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target 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	566.099976
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	63.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.24000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000796000008
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	94.5400009
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.39999962
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000584000023
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000159999996
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrl oSpd_M_str.VehSpd_kph_f32	34.2999992 12
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	63.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_HS_u16	3186
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.42000016e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000796000008
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	733.573975
VehDyn_MinOffset_HwDeg_M_f32	-951.221985
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00039500001
VehDyn_SLPHwAuth_Uls_M_f32	0.148000002
VehDyn_SLPHwPos_HwDeg_M_f32	-840.169983
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	53.2999992
k_TravelXCDeadband_Uls_f32	94.0199966
k_TravelXCHwAuthority_UIs_f32	0.104824997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392
target_GetSystemTime_mS_u32_CurrentTime	3039943680
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-981.169983
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1171.45105
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.399994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-888.900024
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.910004
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
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.Timer1_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888.299988 ± 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
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	733.573975
VehDyn_MinOffset_HwDeg_M_f32	-92.2699966
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7921391 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.148000002 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-840.169983 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.77 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	75.4000015
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	88.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.24999996e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000798000023
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	126.099998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.1999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008 40437
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00058599998
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	425.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000163999997
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	75.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.2999992
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.460001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1988.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000798000023
VehDyn_AutoCntrloSpd_M_str.Filter1Enable_Cnt_lgc	0 1
VehDyn_AutoCntrl_oSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Iqc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	738.565979
VehDyn MinOffset HwDeg M f32	-944.538025
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000395999989
VehDyn SLPHwAuth Uls M f32	0.165000007
VehDyn SLPHwPos HwDeg M f32	-829.909973
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	92.9899979
k_TravelXCHwAuthority_Uls_f32	0.10605
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
target_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_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	-974.909973
terret Vel Due Dard Ou FOT II D. 1900	1182.35803
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target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.00999999
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	





Name	Input Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.820007
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-1482.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998 ± 0.009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	738.565979
VehDyn_MinOffset_HwDeg_M_f32	-944.538025
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.99838495 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.165000007 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-829.909973 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.78 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	10.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.26000008e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.0007999998
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.199997

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
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	255468
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1900.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000587999995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000167999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.2999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.50000004e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	743.557983
VehDyn_MinOffset_HwDeg_M_f32	-937.854004
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000396999996
	0.181999996
VehDyn_SLPHwAuth_Uls_M_f32	-819.650024
VehDyn_SLPHwPos_HwDeg_M_f32	0
k_HiSpdVDAuthority_UIs_f32	
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	96
k_TraveIXCDeadband_Uls_f32	91.9599991
k_TraveIXCHwAuthority_UIs_f32	0.107275002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776
target_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_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	-968.650024
target VehDyn Per1 CwEOT HwDeg f32.value	1193.26501
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.0199998
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	752.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-423.399994
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
target_venDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.720001
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2075080192
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.80005 ± 0.009
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.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1193.26501
VehDyn_MinOffset_HwDeg_M_f32	-968.650024
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.29590893 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.181999996 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-819.650024 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.26999998e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000801999995
/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	456.540009
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206.100006
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.4000001
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.2000008
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000590000011
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000172
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5999985
	4.1999981
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
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	456.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.53999998e-005
	1991.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000801999995
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	748.549988
VehDyn_MinOffset_HwDeg_M_f32	-931.169983
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000398000004
VehDyn SLPHwAuth Uls M f32	0.199000001
VehDyn_SLPHwPos_HwDeg_M_f32	-809.390015
	1
k_HiSpdVDAuthority_UIs_f32	
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985
k_TravelXCDeadband_Uls_f32	90.9300003
k_TravelXCHwAuthority_Uls_f32	0.108499996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816
target_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_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_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	-962.390015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1204.172
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.03000021
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-158.399994
target VehDyn Per1 RelHwPos HwDeg f32.value	796.599976
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.609985
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1024
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.09998 ± 0.009
	1900.19995 ± 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	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432
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VehDvn AutoCntrHiSpd M str. Limer2 mS ii32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Llls_f32	328928812 -1482 19995 + 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009 1900.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1482.19995 ± 0.009 1900.09998 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009 1900.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1482.19995 ± 0.009 1900.09998 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1482.19995 ± 0.009 1900.09998 ± 0.009 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	-1482.19995 ± 0.009 1900.09998 ± 0.009 0 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	-1482.19995 ± 0.009 1900.09998 ± 0.009 0 0 1 954802432
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	-1482.19995 ± 0.009 1900.09998 ± 0.009 0 0 1 1 954802432 2138628886
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	-1482.19995 ± 0.009 1900.09998 ± 0.009 0 0 1 954802432

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Name	Expected 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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1204.172
VehDyn_MinOffset_HwDeg_M_f32	-962.390015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79487944 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.199000001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-809.390015 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.80 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.1399994
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.799988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.2800001e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	566
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	216
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	1.10000002
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	1078320779
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	383750110
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.299988
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000592000026
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000176000001
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lqc	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	700
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	86.3000031
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	6.30000019
enDyn_AutoCntrLoSpd_M_str.FiltPirTrq_mwnin_is2 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
, - ,	5235
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-2500.19995 5.57999992e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
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_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_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	89.900015
k_TravelXCHwAuthority_Uls_f32	0.109724998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_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_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	-956.130005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1215.07898
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.0399996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.700012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1456.69995
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.799988 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
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.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
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.Timer1_mS_u32	2728878080
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	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
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_lgc	0 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc VehDyn_LoSpdLearnt_Cnt_M_Igc	0 1 1
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 -241.621002
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 1 -241.621002 -924.486023
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 -241.621002





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

est Step 2.81 (Repeat Count = 1)	
lame	Input Value
htrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_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	2.5
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	96.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	86.5
ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	7034
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	39056
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	383750110
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456,299988
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.29e-006
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482,30005
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000806000025
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
enDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	45.5
	226.199997
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	2.4000001
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.099985
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	456.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000593999983
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
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
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	152.199997
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.3000031
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.61999987e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000806000025
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_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	758.533997
ehDyn_MinOffset_HwDeg_M_f32	-917.802002

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Name	Input Value
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.00039999999
ehDyn_SLPHwAuth_Uls_M_f32	0.232999995
ehDyn_SLPHwPos_HwDeg_M_f32	-788.869995
HiSpdVDAuthority_Uls_f32	1
LoSpdVDAuthority Uls f32	0
SysKinRatio_MtrDegpHwDeg_f32	96.5
_TravelXCDeadband_Uls_f32	88.8700027
TravelXCHwAuthority Uls f32	0.110950001
arget DtrmnElapsedTime mS u32 ElapsedTime	1662097408
	824746752
Irget_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
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
rget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-949.869995
rget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1225.98596
rget_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.05000019
irget VehDyn Per1 MotorVelCRF MtrRadpS f32.value	159.600006
rget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-758.799988
rget VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-7.30000019
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
liget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.070007
lame	Expected Value
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
	383750110
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009 -1482.30005 ± 0.009
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009 -1482.30005 ± 0.009
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0
tehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 tehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 tehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc tehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc tehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc tehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc tehDyn_AutoCntrHiSpd_M_str.Filter3Initialized_Cnt_lgc tehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 tehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_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 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752
chDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 chDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 chDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752 2553156835
chDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 chDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752 2553156835 2600.30005 ± 0.009
chDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc chDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter1Pnitialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 chDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752 2553156835 2600.30005 ± 0.009 2800.30005 ± 0.009
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ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Ditialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752 2553156835 2600.30005 ± 0.009 2800.30005 ± 0.009 0 1 1 1 1 1 1 0
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752 2553156835 2600.30005 ± 0.009 2800.30005 ± 0.009 0 1 1 1 0 1 0 1
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752 2553156835 2600.30005 ± 0.009 2800.30005 ± 0.009 0 1 1 1 0 758.533997
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_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 ehDyn_AutoCntrHiSpd_M_str.Filter3enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter3enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter3enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter3enable_Cnt_lgc ehDyn_AutoCntrBeta_Cnt_M_lgc ehDyn_AutoCntrBeta_Cnt_M_lgc ehDyn_AutoCntrBeta_Cnt_M_lgc ehDyn_AutoCntrBeta_Cnt_M_l	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752 2553156835 2600.30005 ± 0.009 2800.30005 ± 0.009 0 1 1 1 0 758.533997 -191.070007
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter3_m_su32 /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_LoSpdLearnt_Cnt_M_lgc /ehDyn_LoSpdLearnt_Cnt_M_lgc /ehDyn_LoSpdLearnt_Cnt_M_lgc /ehDyn_MaxOffset_HwDeg_M_f32 /ehDyn_PinTrqSV_M_str.Sv_Uls_f32 /ehDyn_PinTrqSV_M_str.Sv_Uls_f32 /endet_PinTrqSV_M_str.Sv_Uls_f32 /endet_PinTrqSV_M_str.Sv_Uls_f32 /endet_PinTrqSV_M_str.Sv_Uls_f32 /endet_PinTrqSV_M_str.Sv_Uls_f32	456.299988 ± 0.0009 -1482.30005 ± 0.009 1 1 1 1 0 824746752 2967684784 456.200012 ± 0.0009 -1482.09998 ± 0.009 0 0 1 824746752 2553156835 2600.30005 ± 0.009 2800.30005 ± 0.009 0 1 1 1 0 758.533997

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



Fest Step 2.82 (Repeat Count = 1)	Input Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime) Rte_Inst_Ap_VehDyn	target_GetSystemTime_mS_u32_CurrentTime target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	talget_Rte_linst_Ap_venbyii
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.09998
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.099985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.29999989e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012
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 Igc	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	2345892861
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000595999998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000184000004
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	t.
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.66000017e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
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_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	763.526001
ehDyn_MinOffset_HwDeg_M_f32	-911.117981
ehDyn_PinTrqSV_M_str.SV_Uls_f32	7.599999
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000400999998
ehDyn_SLPHwAuth_Uls_M_f32	0.25
ehDyn_SLPHwPos_HwDeg_M_f32	-778.609985
HiSpdVDAuthority_Uls_f32	0
_LoSpdVDAuthority_Uls_f32	1
SysKinRatio_MtrDegpHwDeg_f32	32.0999985
_TravelXCDeadband_Uls_f32	87.8399963
TravelXCHwAuthority_Uls_f32	0.112175003
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
arget_GetSystemTime_mS_u32_CurrentTime	309385728

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_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_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	-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	145.5
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.349998
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
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.Timer1_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988 ± 0.0009
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.Timer1_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1236.89294
VehDyn_MinOffset_HwDeg_M_f32	-943.609985
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59373665 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.25 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-778.609985 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.31000001e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080999998
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.2000008
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	246.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.199969
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	3174948759
	2600.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000598000013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988
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	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.70000011e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	
,	768.518005
VehDyn_MinOffset_HwDeg_M_f32	-904.434021
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000402000005
VehDyn_SLPHwAuth_Uls_M_f32	0.26699999
VehDyn_SLPHwPos_HwDeg_M_f32	-768.349976
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-937.349976
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1247.80005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1235.40002





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2000.02002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.599999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.869995
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006 ± 0.0009
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.Timer1_mS_u32	2659241984
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009
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.Timer1_mS_u32	2659241984
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1247.80005
VehDyn_MinOffset_HwDeg_M_f32	-937.349976
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50024426 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.26699999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-768.349976 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.84 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.31999991e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1

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Nama	Innut Value
Name Vah Dun AutoCotal LiCod M. eta MarVal MarDada C. 622	Input Value
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.099985
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	2760420810
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000600000028
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000192000007
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	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	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.74000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.40002
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
,	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	
VehDyn_MaxOffset_HwDeg_M_f32	773.51001
VehDyn_MinOffset_HwDeg_M_f32	-897.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403000013
VehDyn_SLPHwAuth_Uls_M_f32	0.284000009
VehDyn_SLPHwPos_HwDeg_M_f32	-758.090027
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF MtrNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-931.090027
target VehDyn Per1 CwEOT HwDeg f32.value	1258.70703
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.20000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	2.20000005 154.399994
	1900.59998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009
veribyii_Autochtibetopa_ivi_str.ReinwFosFiit25v_nwbeg_str.5v_ois_i32	

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Name	Expected 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.Timer1_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009
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.Timer1_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.40002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-641.893005
VehDyn_MinOffset_HwDeg_M_f32	-897.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59865212 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.284000009 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-758.090027 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

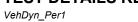
lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M lgc	target_kte_inst_Ap_venDyn
ehDyn_AllownispuAuloChtt_Cht_M_gc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
· - · · -	136.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32	14.1000004
, =	96,099985
/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	2138628886
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.6001
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.3300003e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000814000028
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
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.199997
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	34738
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36612
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000601999986
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000195999994
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1

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Name	Input Value
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	2.400001
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	
	136.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
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	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5
	5.7799999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000814000028
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	778.502014
VehDyn_MinOffset_HwDeg_M_f32	-891.065979
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403999991
VehDyn_SLPHwAuth_Uls_M_f32	0.300999999
VehDyn_SLPHwPos_HwDeg_M_f32	-747.830017
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	84.75
k_TravelXCHwAuthority_Uls_f32	0.115850002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
target_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_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	-924.830017
target VehDyn Per1 CwEOT HwDeg f32.value	1269.61401
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target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.59998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	10.04
Name	Expected Value
	·
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.6001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
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VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999 ± 0.009
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.Timer1_mS_u32	1117112832
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	778.502014
VehDyn_MinOffset_HwDeg_M_f32	975.77002
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7931299 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.300999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-747.830017 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.199997
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.199997
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.2000008
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	33198
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7778
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3589476708
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.40002
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.3399992e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000815999985
/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	98.1999969
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	32.0999985
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	16
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	53
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	37799
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41632
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000604000001
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000199999995
/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	120.599998
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	20
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	45.2000008
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn AutoCntrLoSpd M str.Timer1 mS u32	1024
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.81999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000815999985
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	783.494019
VehDyn_MinOffset_HwDeg_M_f32	-884.382019
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000404999999
VehDyn_SLPHwAuth_Uls_M_f32	0.317999989
VehDyn_SLPHwPos_HwDeg_M_f32	-737.570007
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	83.7200012
k_TravelXCHwAuthority_UIs_f32	0.117075004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736
target_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_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_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	-918.570007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1280.521
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1253.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1482.80005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.8999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.3099995
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1736795392
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
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.Timer1_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
Valance AutoCatelliand Mark FilterObitionized Catalog	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3589476708 -1988.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0
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	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 0
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	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 0 1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 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_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	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 0 1 1 1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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	3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 0 1 1





Name	Expected Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7938347 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.317999989 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-737.570007 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

est Step 2.87 (Repeat Count = 1)	
lame	Input Value
htrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target 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	350.100006
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	156.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.099999
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	52.099985
ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	21335
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	34188
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3796740682
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.35000004e-006
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.1001
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000818
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.5400009
· - · · · -	124
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	8366
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	51002
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000606000016
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000203999996
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	350.600006
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.600006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.2999995
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.8000031
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.85999987e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
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 HiSpdLearnt Cnt M lqc	0
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	788.486023
ehDyn_MinOffset_HwDeg_M_f32	-877.697998

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Name	Input Value
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000406000006
VehDyn_SLPHwAuth_Uls_M_f32	0.335000008
VehDyn SLPHwPos HwDeg M f32	-727.309998
k_HiSpdVDAuthority_UIs_f32	1
k LoSpdVDAuthority Uls f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	56.5
k_TravelXCDeadband_Uls_f32	82.6900024
k_TravelXCHwAuthority_Uls_f32	0.118299998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-912.309998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	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	-753.299988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.8700008
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	753.099976 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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.Timer1_mS_u32	3437401088
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1988.5 ± 0.009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.5 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Iqc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1291.42798
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1291.42798
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1291.42798 -912.309998

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



Fest Step 2.88 (Repeat Count = 1)	Input Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime) SetSystemTime mS u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime target 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	400.299988
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.35999994e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000820000016
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.Filter1mittalized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.199969
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	3658
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	5853
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.80005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000607999973
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000207999998
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	400.5
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	126.5
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.90000018e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.69995 0.000820000016
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000820000016
enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 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_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	793.478027
ehDyn_MinOffset_HwDeg_M_f32	-871.013977
ehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000407000014
ehDyn_SLPHwAuth_Uls_M_f32	0.351999998
ehDyn_SLPHwPos_HwDeg_M_f32	-717.049988
_HiSpdVDAuthority_Uls_f32	0
_LoSpdVDAuthority_Uls_f32	1
_SysKinRatio_MtrDegpHwDeg_f32	54.099985
_TravelXCDeadband_Uls_f32	81.6600037
_TraveIXCHwAuthority_UIs_f32 arget_DtrmnElapsedTime_mS_u32_ElapsedTime	0.119525 954802432
arget_GetSystemTime_mS_u32_CurrentTime	3494315776

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_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_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	-906.049988
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1302.33496
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-456.100006
target VehDyn Per1 RelHwPos HwDeg f32.value	456.399994
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-8.39999962
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.4099998
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3494315776
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	54822322
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.80005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	109643620
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.69995 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	
VehDyn_MaxOffset_HwDeg_M_f32	793.478027
VehDyn_MinOffset_HwDeg_M_f32	-871.013977
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79798317 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.351999998 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-717.049988 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.89 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.3700006e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000821999973
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	64.4000015
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868 3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	0.00060999988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000211999999
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 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.599976
	136.600006
VehDyn_AutoCntrloSpd_M_str.VehSpd_kph_f32	1.60000002
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	100
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	26195
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
	-2000.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.94000012e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_Uls_f32	-1900.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000821999973
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	798.469971
VehDyn_MinOffset_HwDeg_M_f32	-864.330017
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.2000005
VehDyn PinTrqSV M str.K Uls f32	0.000407999993
VehDyn SLPHwAuth Uls M f32	0.368999988
VehDyn_SLPHwPos_HwDeg_M_f32	-706.789978
k_HiSpdVDAuthority_Uls_f32	0.89999976
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	85.0999985
k TravelXCDeadband Uls f32	80.6299973
k TravelXCHwAuthority Uls f32	0.120750003
target DtrmnElapsedTime mS u32 ElapsedTime	2728878080
target 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_venDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_venbyn_ren_mwnorde_nwinin_isz target_venbyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Ois_i32 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_venDyn_Per1_SensorlessAuthority_Ois_i32 target_venDyn_Per1_SensorlessHwPos_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_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	-899.789978
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	3 2000005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.20000005 1199.09998
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2500.1001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	35.5499992
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
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.Timer1_mS_u32	463842816
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.80005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
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.Timer1_mS_u32	463842816
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	798.469971
VehDyn_MinOffset_HwDeg_M_f32	1600.31006
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20002341 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.368999988 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-706.789978 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn 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_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	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.37999995e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005
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

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Name	Input Value
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	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000612000003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
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_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	
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	52.200008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
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	1900.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.98000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_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 -5.4000004
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001 0.000409
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.386000007
VehDyn_SLPHwAuth_Uls_M_f32	-696.530029
VehDyn_SLPHwPos_HwDeg_M_f32 k_HiSpdVDAuthority_UIs_f32	0
k LoSpdVDAuthority Uls f32	1
k SysKinRatio MtrDegpHwDeg f32	96.099985
k_TravelXCDeadband_Uls_f32	79.5999985
k_TravelXCHwAuthority_UIs_f32	0.121974997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target 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_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_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	-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	-1299.40002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2600.80005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 26 7700005
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.7700005
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
Volably AutoCataDatCad Mata Timont Co	1759885568
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4200067205
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
	4290967295 1991.40002 ± 0.009 -1988.30005 ± 0.009





Name	Expected Value
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.Timer1_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009
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.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.69995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1324.14905
VehDyn_MinOffset_HwDeg_M_f32	-893.530029
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39637709 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.386000007 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-696.530029 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.39000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350.399994
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
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	-2000.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000614000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000220000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
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
	10.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
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	-1900.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.02e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5
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_HiSpdLearnt_Cnt_M_lgc	0
	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	
VehDyn_MaxOffset_HwDeg_M_f32	808.453979
VehDyn_MinOffset_HwDeg_M_f32	-850.961975
VehDyn_PinTrqSV_M_str.SV_UIs_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
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k_TravelXCDeadband_Uls_f32	78.5699997
k_TravelXCHwAuthority_UIs_f32	0.123199999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_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_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 HwTorgue HwNm f32.value	3.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.600006
target VehDyn Per1 RelHwPos HwDeg f32.value	-2400.1001
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-2000.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	ī
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	1024
	-2000.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_UIs_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998 ± 0.009
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.Timer1_mS_u32	1662097408
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295

VehDyn_Per1





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1335.05603
VehDyn_MinOffset_HwDeg_M_f32	-887.27002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5982585 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.402999997 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-686.27002 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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
/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	3589476708
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2138628886
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.19995
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.3999997e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5
/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	1900.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000615999976
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1991.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000224000003
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_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.FiltPinTrg_HwNm_f32	19.2999992
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow HwDeg f32	25.399996
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3277
VehDyn AutoCntrLoSpd_M_str.Timer2+mesn_ms_u10	328928812
VehDyn_AutoChtrLoSpd_M_str.Timer1_in3_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779

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Name	Input Value
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.700012
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeq_f32	2127166208
0 = = = 1	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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_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
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	88.800031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2800.80005
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	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
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	1900.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.40002 ± 0.009
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.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.700012 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	
	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1

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Name	Expected Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50100636 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.419999987 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-676.01001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

lame	Input Value
harme htmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
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tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.799988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.800003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.7999995
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.59998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.41000009e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
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	600.200012
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.4000015
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	54822322
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000617999991
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.40002
	0.000228000004
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
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	539.099976
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.100006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.0999988e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn Initialize Cnt M Igc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	818.437988
ehDyn_MinOffset_HwDeg_M_f32	-837.593994

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Name	Input Value	
ehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002	
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000411999994	
ehDyn_SLPHwAuth_Uls_M_f32	0.437000006	
ehDyn_SLPHwPos_HwDeg_M_f32	-665.75	
_HiSpdVDAuthority_Uls_f32	0.89999976	
LoSpdVDAuthority Uls f32	0.100000001	
SysKinRatio_MtrDegpHwDeg_f32	41.0999985	
TraveIXCDeadband_Uls_f32	76.5100021	
TravelXCHwAuthority_Uls_f32	0.125650004	
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624	
arget_GetSystemTime_mS_u32_CurrentTime	4243378688	
riget 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	
liget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32	
lirget_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	
rget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	
rget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32	
rget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-874.75	
rget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1356.87	
rget_VehDyn_Per1_HwTorque_HwNm_f32.value	4	
rget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5400009	
rget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.59998	
rget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005	
rget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0	
rget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.869995	
lame	Expected Value	
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.59998 ± 0.009	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009	
	1	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc		
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc		
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0	
	0 0 4243378688	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 4243378688 1078320779	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 4243378688	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 4243378688 1078320779	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 4243378688 1078320779 -1900.5 ± 0.009	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 0 1	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886	
chDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 chDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.009	
chDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 chDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.009 0	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.009 0 1	
chDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 chDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 chDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc chDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.009 0 1 1	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_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_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.009 0 1 1 1 0	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_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_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.0009 0 1 1 0 0 0	
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ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_Initialize_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.0009 0 1 1 0 0 1 1 0 0 0 1	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_Initialize_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.0009 0 1 1 0 0 0 1	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_Initialize_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn_MaxOffset_HwDeg_M_f32	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.0009 0 1 1 0 0 1 1 0 0 0 1	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_HiSpdLearnt_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn_MaxOffset_HwDeg_M_f32 ehDyn_MinOffset_HwDeg_M_f32	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.0009 0 1 1 0 0 1 1 0 0 818.437988	
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_LoSpdLearnt_Cnt_M_lgc /ehDyn_LoSpdLearnt_Cnt_M_lgc /ehDyn_LoSpdLearnt_Cnt_M_lgc /ehDyn_MaxOffset_HwDeg_M_f32 /ehDyn_MinOffset_HwDeg_M_f32 /ehDyn_PinTrqSV_M_str.SV_Uls_f32 /earget_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.0009 0 1 1 0 0 818.437988 563.849976	

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



Fest Step 2.94 (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_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 ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16683 22497
/ehDyn_AutoCntrDetSpd_M_sit.Timer1_mS_u32	4004004657
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2553156835
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.41999998e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
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
/ehDyn_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.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	52282 109643620
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000620000006
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
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	56.099985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 2138628886
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861
ehDyn_AutoCntrLoSpd_M_str.Timer2_m3_u32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988
/ehDyn_AutoOntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.14000019e-005
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-753.700012
/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.Filter2Initialized_Cnt_Igc	1
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_UIs_f32	-14.8000002 0.000413000002
ehDyn_PinTrqSV_M_str.K_Uls_f32 ehDyn_SLPHwAuth_Uls_M_f32	0.000413000002
enDyn_SLPHWAutn_Uis_M_f32 ehDyn_SLPHwPos_HwDeg_M_f32	-655.48999
_HiSpdVDAuthority_Uls_f32	-000.40999 0
LoSpdVDAuthority Uls f32	0.600000024
CSpsKinRatio_MtrDegpHwDeg_f32	63.099985
_TravelXCDeadband_Uls_f32	75.4800034
TraveIXCHwAuthority_Uls_f32	0.126874998
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
arget_GetSystemTime_mS_u32_CurrentTime	1050692864
	target_VehDyn_Per1_CcwEOT_HwDeg_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_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_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	-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	753.330017
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1050692864
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
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.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
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.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.700012 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1367.77698
VehDyn_MinOffset_HwDeg_M_f32	-868.48999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7921886 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.453999996 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-655.48999 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.95 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	621.700012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.699997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.43000011e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000834000006
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	457.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000622000021
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.59998
	0.00236000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000236000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	621.200012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.17999976e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000834000006
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Iqc	0
VehDyn MaxOffset HwDeg M f32	828.421997
VehDyn_MinOffset_HwDeg_M_f32	-824.226013
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000414000009
VehDyn_SLPHwAuth_Uls_M_f32	0.470999986
VehDyn_SLPHwPos_HwDeg_M_f32	-645.22998
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0.800000012
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985
k_TravelXCDeadband_Uls_f32	74.4499969
k_TravelXCHwAuthority_Uls_f32	0.128099993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_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_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
	target_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 SensorlessHwPos HwDeq 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_VehDvn_Per1_TorgueCmdCRF_MtrNm_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_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_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_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_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_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -862.22998
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_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1988.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75.3099976
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
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.Timer1_mS_u32	3039943680
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.59998 ± 0.009
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.Timer1_mS_u32	3039943680
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1378.68396
VehDyn_MinOffset_HwDeg_M_f32	-862.22998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7944889 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.800000012 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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
GetSystemTime_mS_u32(CurrentTime)	target_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	457.600006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.600006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.399994
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.44e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000836000021
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

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96
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	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000623999978
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000239999994
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	662.700012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.6999981
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.5
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835 2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2760420810 2600.30005
	6.22000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VenDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Dis_i32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00836000021
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-833.414001
VehDyn MinOffset HwDeg M f32	-817.541992
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000414999988
VehDyn_SLPHwAuth_Uls_M_f32	0.488000005
VehDyn_SLPHwPos_HwDeg_M_f32	-634.969971
k_HiSpdVDAuthority_Uls_f32	0
k LoSpdVDAuthority Uls f32	0.600000024
SysKinRatio MtrDegpHwDeg f32	75.0999985
k_TravelXCDeadband_Uls_f32	73.4199982
x_TravelXCHwAuthority_Uls_f32	0.129325002
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
target_GetSystemTime_mS_u32_CurrentTime	1316564736
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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-855.969971
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1389.59094
arget_VehDyn_Per1_HwTorque_HwNm_f32.value	4.5999999
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.399994
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988.59998
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	159.820007
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1316564736
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.405273 ± 0.0009
	-2400.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009





Name	Expected Value
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.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002 ± 0.009
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.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-833.414001
VehDyn_MinOffset_HwDeg_M_f32	-817.541992
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99517775 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.488000005 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-634.969971 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
DtrmnElapsedTime_mS_u32	1
GetSystemTime_mS_u32	2
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_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	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.44999989e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000837999978
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	539.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.39999962
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000625999994
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000243999995

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Name	Input Value
	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	
	124.5
	216.100006
, _ ,	5.5 96.099985
	38868
, = - = = = =	41632
	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200
	6.25999965e-005
, = - = = = = = = = = = = = = = = = = =	-753.299988
, = , = = = = = = = = = = = = = = = = =	0.000837999978 0
7 - 1 - 2	1
, = = = = = = = = = = = = = = = = = = =	' 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1	
	0
VehDyn_Initialize_Cnt_M_lgc 1	1
7 7 2 110 11 21 2 231	0
,	838.406006
7 2 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	810.857971
, = , = = = =	6.3000019
7 - 1	0.000415999995 0.504999995
	624.710022
	0.230000004
	0.5
k_SysKinRatio_MtrDegpHwDeg_f32	97.3000031
k_TravelXCDeadband_Uls_f32 7	72.3899994
_ /= _	0.130549997
	3714197504
	2075080192
	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_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_TorqueCmdCRF_MtrNm_f32
	target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc
0 = = = 1 = 7	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -849.710022
. 5.2 - , 2 - 2.1 - 1.2	1400.49805
	4.8000019
	-425.200012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1	1991.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -	-1.60000002
. 312 · , 2 · 2 ·	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	357.700012
	Expected Value
7 - 1 - 2 - 20	1
, _ ,	2553156835
	3796740682 -2500.5 ± 0.009
	2800.1001 ± 0.009
	1
	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1	1
, = 1 = 2 = 2	0
,	2075080192
	2760420810
	-2500.5 ± 0.009 -753.5 ± 0.0009
, _ ,	-753.5 ± 0.0009
, =	0
, =	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1	1

VehDyn_Per1



Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-590.60199
VehDyn_MinOffset_HwDeg_M_f32	-810.857971
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29936934 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.5 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.98 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.599976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.600006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.599999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.6599998
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.46000002e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000839999993
/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
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	116.400002
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.2000008
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	53759
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	18715
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	328928812
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	2967684784
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600.5
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000628000009
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	456.399994
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000247999997
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0.000247333337
	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	138.800003
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.199997
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.7999995
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2000008
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	5235 2967684784



	lw.
Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.2999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000839999993
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	843.39801
VehDyn MinOffset HwDeg M f32	-804.174011
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn PinTrgSV M str.K Uls f32	0.000417000003
VehDyn_SLPHwAuth_Uls_M_f32	0.522000015
VehDyn_SLPHwPos_HwDeg_M_f32	-614.450012
	0
k_HiSpdVDAuthority_UIs_f32	0.69999988
k_LoSpdVDAuthority_Uls_f32	
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TraveIXCDeadband_UIs_f32	71.3600006
k_TravelXCHwAuthority_Uls_f32	0.131775007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832
target_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_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_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	-843.450012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1411.40503
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2880.05005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.160004
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	954802432
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5 ± 0.009
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.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994 ± 0.0009
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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCotrl oSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1411.40503
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VehDyn_Per1





Name	Expected Value
VehDyn_MinOffset_HwDeg_M_f32	-843.450012
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1957684 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.522000015 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-614.450012 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.99 (Repeat Count = 1)	
Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.46999991e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000842000009
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621.400024
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000630000024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000251999998
/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	86.0999985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.600006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.34000025e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000842000009
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 Igc	1
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn MaxOffset HwDeg M f32	848.390015

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Name	Input Value
VehDyn_MinOffset_HwDeg_M_f32	-797.48999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000418000011
VehDyn_SLPHwAuth_Uls_M_f32	0.538999975
VehDyn_SLPHwPos_HwDeg_M_f32	-604.190002
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0.800000012
k_SysKinRatio_MtrDegpHwDeg_f32	42.0999985
k_TravelXCDeadband_Uls_f32	70.3300018
k_TravelXCHwAuthority_Uls_f32	0.133000001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560
target_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_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	-837.190002
target VehDyn Per1 CwEOT HwDeg_i32.value	1422.31201
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.19999981
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-158.979996
target VehDyn Per1 RelHwPos HwDeg f32.value	200.899994
	-7.30000019
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	258.149994
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
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.Timer1_mS_u32	2728878080
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VobDyn AutoCatrHiSad M otr Filter?Epoble Cat Isa	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
	0
VenDyn_AutoCntrHispd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHispd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHispd_M_str.Filter2Initialized_Cnt_lgc	0 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 2728878080
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	1 2728878080 3382212733
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	1 2728878080 3382212733 0±0.000009
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	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009
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	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009 0
VehDyn_AutoCntrHospd_M_str.Filter1Initialized_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLospd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLospd_M_str.Filter2Initialized_Cnt_lgc	1 2728878080 3382212733 0 ± 0.000009 -2500.30005 ± 0.009 0 1 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 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	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009 0 1 1 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 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	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009 0 1 1 1 0 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 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	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009 0 1 1 1 0 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 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	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009 0 1 1 1 0 1 0 1422.31201
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.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	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009 0 1 1 1 0 1 0 1422.31201 -837.190002
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 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	1 2728878080 3382212733 0±0.000009 -2500.30005±0.009 0 1 1 1 0 1 0 1422.31201



Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

lame	Input Value
htmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	62.5099983
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.5
/ehDyn_AutoChtrDetSpd_W_str.VeriSpd_kpii_i32 /ehDyn_AutoChtrDetSpd_M_str.FiltPinTrg_HwNm_f32	7.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	22037
/ehDyn_AutoCntrDetSpd_M_str.Timer2111esh_ms_u10	3174948759
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Uis_f32	3.48000003e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Rolls_i32	-1988.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uis_f32	0.000844000024
· - · ·	0.000644000024
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/enDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.200012
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.399994
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	2800.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000631999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000255999999
/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	44.5999985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.37999983e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000844000024
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_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	853.382019
/ehDyn_MinOffset_HwDeg_M_f32	-790.80603
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962





Name	Input Value
VehDyn SLPHwAuth Uls M f32	0.555999994
VehDyn SLPHwPos HwDeg M f32	-593.929993
k HiSpdVDAuthority Uls f32	0.119999997
k LoSpdVDAuthority UIs f32	0.800000012
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-830.929993
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	-2000.04004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	369.75
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5 ± 0.009
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.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	853.382019
VehDyn_MinOffset_HwDeg_M_f32	1169.10999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89857864 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.119999997 ± 0.004 -1600 ± 0.1
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1000 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	3382212733
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-1438.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3.4899993e-006 1988.40002
ehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_i32	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	2345892861
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.80005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000633999996
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000260000001
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	42.5999985
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.42000014e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005
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 ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
enDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
enDyn_AutoChit_cospu_m_sti.Filter2filtitalized_Chit_igc ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn Initialize Cnt M Igc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn MaxOffset HwDeg M f32	858.374023
ehDyn_MinOffset_HwDeg_M_f32	-784.122009
ehDyn PinTrqSV M str.SV Uls f32	13.8999996
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000419999997
ehDyn_SLPHwAuth_Uls_M_f32	0.573000014
ehDyn_SLPHwPos_HwDeg_M_f32	-583.669983
HiSpdVDAuthority_Uls_f32	1
LoSpdVDAuthority_Uls_f32	0.5
SysKinRatio_MtrDegpHwDeg_f32	53.5
TraveIXCDeadband_Uls_f32	68.2699966
TravelXCHwAuthority Uls f32	0.135450006
rget_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176
rget_GetSystemTime_mS_u32_CurrentTime	309385728
· - ·	target_VehDyn_Per1_CcwEOT_HwDeg_f32
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_venibyn_r er 1_eenibe 1_rmb eg_leb

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-824.669983
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	1900.64001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.960007
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-1438.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
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.Timer1_mS_u32	309385728
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.80005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
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.Timer1_mS_u32	309385728
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-472.98999
VehDyn_MinOffset_HwDeg_M_f32	-784.122009
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8965578 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.5 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.102 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.6001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.50000005e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5
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
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	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
	753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	753.200012 0.000636000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	
VehDyn_AutoCntrl-iSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	2800.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000264000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
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	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
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 lqc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	863.366028
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
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.099985
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_venbyn_ren_ronquechnocki_minmin_isz
target_Rte_Inst_Ap_venDyn.venDyn_Per1_venicleSpeed.valid_Cnt_igc target_Rte_Inst_Ap_venDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f32
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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





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.23999
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.6001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
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.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
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.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1422.08105
VehDyn_MinOffset_HwDeg_M_f32	-818.409973
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79913568 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.589999974 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-573.409973 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

= 101 0100/P 10 10	
Test Step 2.103 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	138.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.50999994e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
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

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000638000027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002
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_AutoCottleSpd_M_str.VehSpd_kph_f32	216.600006 1.70000005
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.599985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
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	-1988.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	868.357971
VehDyn_MinOffset_HwDeg_M_f32	-770.754028
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000422000012
VehDyn_SLPHwAuth_Uls_M_f32	0.606999993
VehDyn_SLPHwPos_HwDeg_M_f32	-563.150024
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0 96.3000031
k_SysKinRatio_MtrDegpHwDeg_f32	66.2099991
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0.137899995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target GetSystemTime mS u32 CurrentTime	2942063360
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRadpS f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-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	-1235.73999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1482.28003
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	Expected Value
	1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682 2345892861
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	3796740682 2345892861 753.400024 ± 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	3796740682 2345892861 753.400024 ± 0.0009 -2400.3999 ± 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	3796740682 2345892861 753.400024 ± 0.0009 -2400.3999 ± 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	3796740682 2345892861 753.400024 ± 0.0009 -2400.3999 ± 0.009





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.80005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
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.Timer1_mS_u32	2942063360
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1416.51196
VehDyn_MinOffset_HwDeg_M_f32	-812.150024
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20116019 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.606999993 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-563.150024 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.104 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.52000006e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
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	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	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000639999984
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.6001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000272000005
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name Input Value 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.FiltPinTrq_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 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.0005660000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000852000026 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_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.FiltPinTrq_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 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrHiSpd_M_str.Rilter2Initialized_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.FiltPinTrq_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 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.Wtvel_MtrRadpS_f32 98.8000031 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 88.3000031 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 88.3000031 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
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 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 38868 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 57944 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 57944 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -1900.5 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000566000002 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -753 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000852000026	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000852000026	
Total July auto-one 200 paging on the remaining of the second of the sec	
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_HiSpdLearnt_Cnt_M_lgc 0	
VehDyn_Initialize_Cnt_M_Igc 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_Uls_f32 7.80000019	
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000422999999	
VehDyn_SLPHwAuth_Uls_M_f32 0.624000013	
VehDyn_SLPHwPos_HwDeg_M_f32 -552.890015	
k_HiSpdVDAuthority_Uls_f32 1	
k_LoSpdVDAuthority_Uls_f32 0	
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_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_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 -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 -1253.73999	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -753.059998	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 398.109985	
Name Expected Value	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1	
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 -1988.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 2800.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDvn_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.Timer1_mS_u32 2075080192	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4004004657	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV UIs f32 -888.200012 ± 0.0009	
,	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 2600.6001 ± 0.009	
, _ , _ ,	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0	

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753 ± 0.0009
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_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	-52.8300018
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79938316 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.624000013 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-552.890015 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.099999
/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	4004004657
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2553156835
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1950.09998
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.52999996e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000853999984
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn 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	44.4000015
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	176
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	63
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	34738
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	36612
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1988.80005
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000641999999
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	753,400024
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000276000006
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.3000031
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.800003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32	2.2999995
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow HwDeg f32	75.8000031
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	31368
VehDyn AutoCntrLoSpd_M_str.Timer2+mesn_ms_u10	2138628886
VehDyn_AutoChtrLoSpd_M_str.Timer1_in3_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.399994
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.37999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	878.34198
VehDyn_MinOffset_HwDeg_M_f32	-757.385986
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000423999998
VehDyn_SLPHwAuth_Uls_M_f32	0.640999973
VehDyn_SLPHwPos_HwDeg_M_f32	-542.630005
k_HiSpdVDAuthority_Uls_f32	0.300000012
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	45.099985
k_TravelXCDeadband_Uls_f32	64.1500015
k_TravelXCHwAuthority_Uls_f32	0.140349999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
target_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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 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	-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	-753.080017
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999 ± 0.009
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.Timer1_mS_u32	1117112832
	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.80005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.80005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.80005 ± 0.009 753.400024 ± 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	1988.80005 ± 0.009 753.400024 ± 0.0009 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1988.80005 ± 0.009 753.400024 ± 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	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.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	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 0 2138628886 2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 0 2138628886 2967684784 456.399994 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 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.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009 1 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 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.Filter1Enable_Cnt_lgc	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009 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.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009 1 0 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.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009 1 0 0 1 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.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009 1 0 0 1 1 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.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1988.80005 ± 0.009 753.400024 ± 0.0009 0 1 1 1 0 2138628886 2967684784 456.399994 ± 0.0009 -3200 ± 0.009 1 0 0 1 1 1 1





Name	Expected Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39501476 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.300000012 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1506.47998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.106 (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 Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	44.4000015
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.39994
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	4.4000001
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.399996
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	5235
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.199997
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.54000008e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000855999999
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Ehable_Cnt_lgc	1
/ehDyn_AutoChtrDetSpd_M_str.Filter1Initialized_Cht_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
	7
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195 22037
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	1991.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000644000014
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
/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_lgc	1
/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	4.30000019
/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	2345892861
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.3999998e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
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_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	883.333984
/ehDyn_MinOffset_HwDeg_M_f32	-750.702026

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Name	Input Value
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000425000006
VehDyn_SLPHwAuth_Uls_M_f32	0.657999992
VehDyn_SLPHwPos_HwDeg_M_f32	-532.369995
k_HiSpdVDAuthority_Uls_f32	1
k LoSpdVDAuthority Uls f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	63.1199989
k TravelXCHwAuthority UIs f32	0.141574994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416
target_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_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	-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	456.040009
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.199997 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1736795392
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
	-1988.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1906.5 ± 0.009
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.Timer1_mS_u32	1736795392
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
Vabour AutoCatal aCad M ata Citart Initialized Cat Inc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	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 VehDyn_HiSpdLearnt_Cnt_M_lgc	1 1 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1 1 0 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 1 0 1 0
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	1 1 0 1 0 1399.80505
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	1 1 0 1 0 1399.80505 -793.369995

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



Test Step 2.107 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	96.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.099999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024 2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.5499997e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002
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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000645999971
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000284000009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3174948759 2600.3999
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_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
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_UIs_f32	0.000426000013
VehDyn_SLPHwPas_HwPas_HwPas_M f32	-522.109985
VehDyn_SLPHwPos_HwDeg_M_f32 k_HiSpdVDAuthority_Uls_f32	-522.109965 0
k LoSpdVDAuthority Uls f32	1
k SysKinRatio MtrDegpHwDeg f32	96.5
k_TravelXCDeadband_Uls_f32	62.0900002
k_TraveIXCHwAuthority_UIs_f32	0.142800003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32

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Name	Input Value
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f32
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_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_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	-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	-1253
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2500.13989
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-8.39999962
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.359985
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3437401088
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.09976 ± 0.0009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1950.40002 ± 0.009
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.Timer1_mS_u32	3382212733
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.3999 ± 0.009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	0 ± 0.000009
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 Igc	0
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn Initialize Cnt M Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1394.23596
VehDyn MinOffset HwDeg M f32	-787.109985
VehDyn PinTrgSV M str.SV Uls f32	1.50222075 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.675000012 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-522.109985 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.108 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.5600001e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
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	206.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.4000015
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000647999987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998
	0.00028800001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
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	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.44000029e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
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	-1.6000002
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.00426999992
VehDyn_SLPHwAuth_Uls_M_f32	0.691999972
VehDyn_SLPHwPos_HwDeg_M_f32	-511.850006
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	61.0600014
k_TraveIXCHwAuthority_UIs_f32	0.144024998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	662694400
target_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_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_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	-780.849976
	1388.66699
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	7
target_VehDyn_Per1_HwTorque_HwNm_f32.value	
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.98999





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2600.1499
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5 ± 0.009
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.Timer1_mS_u32	3494315776
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998 ± 0.009
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.Timer1_mS_u32	3494315776
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1211.48303
VehDyn_MinOffset_HwDeg_M_f32	-737.333984
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59626257 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.691999972 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-511.850006 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.5699999e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994
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

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Name	Input Value
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
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
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_AutoCntrl_oSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2800.3999 6.45999971e-005
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uis_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uis_f32	-1200.56006
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV_HwDeg_str.Sv_Ois_i32	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_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_UIs_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
k_HiSpdVDAuthority_UIs_f32	0
k LoSpdVDAuthority Uls f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	52.4000015
k_TravelXCDeadband_Uls_f32	60.0299988
k_TravelXCHwAuthority_Uls_f32	0.145249993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928
target_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-2400.15991
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	62.1100006
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994 ± 0.0009
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Name	Expected 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.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
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.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-898.309998
VehDyn_MinOffset_HwDeg_M_f32	1625.56995
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7905378 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.708999991 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-501.589996 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.110 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.58000011e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000296000013
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	32.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16	41632 3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.47999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	-903.302002
VehDyn MinOffset HwDeg M f32	-723.966003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn PinTrqSV M str.K Uls f32	0.000429000007
VehDyn_SLPHwAuth_Uls_M_f32	0.726000011
VehDyn_SLPHwPos_HwDeg_M_f32	-491.329987
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k TravelXCDeadband Uls f32	59
k TravelXCHwAuthority Uls f32	0.146475002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-768.330017
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1377.52905
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1199
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2800.25
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.75
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005 ± 0.009
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_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_lgc	1 1759885568
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1377.52905
VehDyn_MinOffset_HwDeg_M_f32	-768.330017
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7951984 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.726000011 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-491.329987 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2999992
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	20423
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	31368
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	164464918
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	328928812
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.1001
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.59000001e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.59998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	1
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	94.5
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	166
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	12.1999998
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	5235
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	27074
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	148.199997
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000653999974
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.09998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000300000014
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.5
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.5
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	18.5
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	86.5
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51002
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.50000002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	95.8000031
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	908.294006
VehDyn_MinOffset_HwDeg_M_f32	-717.281982
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000429999985
VehDyn_SLPHwAuth_Uls_M_f32	0.742999971
VehDyn_SLPHwPos_HwDeg_M_f32	-481.070007
k_HiSpdVDAuthority_UIs_f32	0.100000001
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992
k_TravelXCDeadband_Uls_f32	57.9700012
k_TravelXCHwAuthority_UIs_f32	0.147699997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2836768512
target_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-762.070007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	1371.95996 7.599999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1299.98999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.64001
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	Expected Value
	1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.59998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1662097408
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2760420810
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	148.199997 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	95.8000031 ± 0.00009
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
Valabour High all a sout Out M. Inc.	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1 1
VehDyn_Initialize_Cnt_M_lgc	1





Name	Expected Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.9935894 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.100000001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-0.540000021 ± 0.1

Test Step Call Trace	
Expected Function	Cour
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006
	156.100006
/ehDyn_AutoCotrDetSpd_M_str.VehSpd_kph_f32	3.0999999
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	52.0999985
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.599999e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
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
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88
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	-1482.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000655999989
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000303999986
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.400002
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.4000015
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.1001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.52000017e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
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 Igc	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	913.286011
/ehDyn MinOffset HwDeg M f32	-710.598022

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Name	Input Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000430999993
VehDyn_SLPHwAuth_Uls_M_f32	0.75999999
VehDyn_SLPHwPos_HwDeg_M_f32	-470.809998
k_HiSpdVDAuthority_Uls_f32	1.
k LoSpdVDAuthority UIs f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	75.5
k_TravelXCDeadband_Uls_f32	56.9399986
k TravelXCHwAuthority Uls f32	0.148925006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-755.809998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1366.39099
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2800.93994
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	753.200012 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2075080192
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5 ± 0.009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1988,09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
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 HiSpdLearnt Cnt M Igc	0
venbyn_nopaceant_one_m_go	0
VehDyn_Initialize_Cnt_M_lgc	1
7 - 7	
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 0 -1434.54895
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 0 -1434.54895 -710.598022

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	6.5 86.5
VeriDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	219286216
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.61000002e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
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	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 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53.2000008 29076
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_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	753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998
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 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3658 5853
VehDyn_AutoChtrLoSpd_M_str.Timer1_mS_u32	0
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4211268631
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.19995
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.54000032e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.19995
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015 703.014004
VehDyn_MinOffset_HwDeg_M_f32	-703.914001 6.3000019
VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32	6.3000019 0.000432000001
VenDyn_PintrqSv_M_str.k_ois_132 VenDyn_SLPHwAuth_Uls_M_f32	0.000432000001
VenDyn_SLPHwPos_HwDeg_M_f32	-460.549988
k_HiSpdVDAuthority_Uls_f32	1
k LoSpdVDAuthority Uls f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCDeadband_Uls_f32	55.9099998
k_TravelXCHwAuthority_Uls_f32	0.150150001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648
	2427466200
target_GetSystemTime_mS_u32_CurrentTime	2127166208

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_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_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
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	753.849976
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.4500008
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	219286216
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.59998 ± 0.009
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 lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753.200012 ± 0.0009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1950.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2127166208
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.19995 ± 0.009
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_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	6.30075026 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.77700001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-460.549988 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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

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Name	Input Value
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	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.61999992e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00066000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000311999989
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.3999996
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.400001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrloSpd_M_str.Timer2Thresh_mS_u16	43868 4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.55999975e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.799988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	923.27002
VehDyn_MinOffset_HwDeg_M_f32	-697.22998
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000433000008
VehDyn_SLPHwAuth_Uls_M_f32	0.79400003
VehDyn_SLPHwPos_HwDeg_M_f32	-450.290009
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	56.0999985
k_TravelXCDeadband_Uls_f32	54.8800011
k_TravelXCHwAuthority_UIs_f32	0.151374996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_venDyn_VenDyn_Per1_SensoriessAuthority_Uis_132 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32	target_VenDyn_Per1_SensoriessAutnority_Uis_132 target_VenDyn_Per1_SensoriessHwPos_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_venbyn_ren_ronduechndckr_minnin_isz
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_vehibyn_Per1_vehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-743.289978





Name	Input Value
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2000.34998
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5 ± 0.0009
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.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.69995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998 ± 0.009
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.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.799988 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1355.25305
VehDyn_MinOffset_HwDeg_M_f32	-743.289978
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1969271 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.79400003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-450.290009 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1

Name	Input Value
	•
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.63000004e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.600006
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 Igc	0

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Name	Input Value
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	-1887.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000315999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.1199989
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.1199989
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1200008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.1200027
VehDyn_AutoCntrloSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322 1991.19995
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	6.5799999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	-1988,19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000601999960
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-928.262024
VehDyn MinOffset HwDeg M f32	-690.546021
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000433999987
VehDyn_SLPHwAuth_Uls_M_f32	0.81099999
VehDyn_SLPHwPos_HwDeg_M_f32	-440.029999
k_HiSpdVDAuthority_Uls_f32	1
k LoSpdVDAuthority Uls f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	54.4000015
k_TravelXCDeadband_Uls_f32	53.8499985
k_TravelXCHwAuthority_Uls_f32	0.152600005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-737.030029
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1349.68396
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.3999962
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5500031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1900.64001
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.600006 ± 0.0009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.40002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997 ± 0.0009
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.Timer1_mS_u32	1050692864
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1349.68396
VehDyn_MinOffset_HwDeg_M_f32	-737.030029
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9976301 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.81099999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-440.029999 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.300003
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.3000031
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.63999993e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000864000001
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.90002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.19995

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Name	Input Value
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_AutoCntrl_sCod_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16	13059 274107514
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.60000005e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1988.5
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_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_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000434999994
VehDyn_SLPHwAuth_Uls_M_f32	0.828000009
VehDyn_SLPHwPos_HwDeg_M_f32	-429.769989
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	85.4000015
k_TravelXCDeadband_Uls_f32	52.8199997
k_TraveIXCHwAuthority_UIs_f32	0.153825
target_DtrmnElapsedTime_mS_u32_ElapsedTime	170564352
target_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_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_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	-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	-1900.87
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
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.Timer1_mS_u32	164464918
	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4750 00000 + 0 000
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.90002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1900.19995 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	-1900.19995 ± 0.009 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	-1900.19995 ± 0.009 0





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.5 ± 0.009
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_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	1170.09998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89987755 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.828000009 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-429.769989 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

lame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
tte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn_AllownispuAutoCntt_Cnt_w_gc ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.2999995
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	236.300003
ehDyn AutoCntrDetSpd M str.FiltPinTrg 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	2138628886
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1991.30005
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.65000005e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.6001
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000866000017
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	71
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	216.199997
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.5
ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	78.1999969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	57944
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	219286216
ehDyn AutoCntrHiSpd M str.Timer2 mS u32	3796740682
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	935.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000666000007
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.19995
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000323999993
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	75.3000031
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	18.2999992
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	12.3000002
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	32.2999992
ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	2291
ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	58929
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	219286216
ehDyn AutoCntrLoSpd M str.Timer2 mS u32	4294967295

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.6200002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	938.245972
VehDyn_MinOffset_HwDeg_M_f32	-677.177979
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000436000002
VehDyn_SLPHwAuth_Uls_M_f32	0.845000029
VehDyn_SLPHwPos_HwDeg_M_f32	-419.51001
k_HiSpdVDAuthority_Uls_f32	0.300000012
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	51.7900009
k_TravelXCHwAuthority_UIs_f32	0.155049995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_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_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_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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	-724.51001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1338.54602
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.8000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1482.84998
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	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1991.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.6001 ± 0.009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
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	I.A.
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
	0
VehDyn_Initialize_Cnt_M_lgc	0 1
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 0
VehDyn_Initialize_Cnt_M_lgc	0 1

VehDyn_Per1

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Name	Expected Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.897769 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.845000029 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-419.51001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.118 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.6599995e-006
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.5
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000867999974
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	10.1999998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.5
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	8.19999981
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	4004004657
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-888.5
VehDyn AutoCntrhiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000668000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.19995
VehDyn AutoCntrhiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000327999995
	0.000327999995
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	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.64000036e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.5
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M lgc	1

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Name	Input Value
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
VehDyn_SLPHwAuth_Uls_M_f32	0.861999989
VehDyn_SLPHwPos_HwDeg_M_f32	-409.25
k_HiSpdVDAuthority_Uls_f32	0.40000006
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	50.7599983
k_TravelXCHwAuthority_Uls_f32	0.156275004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1711664384
target_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_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	-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	-1253
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
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.Timer1_mS_u32	2075080192
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.5 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.19995 ± 0.009
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.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2553156835 -1900.09998 ± 0.009
V. D. A. L. O. L. O. L. M. L. E. W. A. E	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0 0
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	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0 0 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0 0 1 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0 0 1 1 1
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	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0 0 1 1 1 1 1332.97705
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	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0 0 1 1 1 1 1 1332.97705 -718.25
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	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0 0 1 1 1 1 1 1332.97705 -718.25 7.80058718 ± 0.000009
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	2553156835 -1900.09998 ± 0.009 -2000.5 ± 0.009 1 0 0 1 1 1 1 1 1332.97705 -718.25

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1



Test Step 2.119 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 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	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.67000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001
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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0 56.5
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.199997
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	4.1999981
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	425.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000331999996
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	66.1999969 76.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.1999998
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	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.65999978e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000869999989
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrl_oCod_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lqc	0 0
VehDyn_Initialize_Cnt_M_igc VehDyn_LoSpdLearnt_Cnt_M_igc	0
VehDyn_MaxOffset_HwDeg_M_f32	948.22998
VehDyn_MinOffset_HwDeg_M_f32	-663.809998
VehDyn_PinTrqSV_M_str.SV_UIs_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
k_HiSpdVDAuthority_Uls_f32	0.5
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	52.0999985
k_TravelXCDeadband_Uls_f32	49.7299995
k_TravelXCHwAuthority_Uls_f32	0.157499999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	954802432 target_VehDyn_Per1_CcwEOT_HwDeg_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_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_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	-711.98999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1327.40796
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.640015
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.769989
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001 ± 0.009
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.Timer1_mS_u32	954802432
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
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.Timer1_mS_u32	954802432
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1327.40796
VehDyn_MinOffset_HwDeg_M_f32	-711.98999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20256662 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.879000008 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-398.98999 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	216.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.1000004
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.6001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.6799996e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004
VehDyn_AutoCotrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000671999995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000335999997
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	34.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.1000004
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrloSpd_M_str.Timer2Thresh_mS_u16	31368 164464918
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.67999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004
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_Igc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
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_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000438999996
VehDyn_SLPHwAuth_Uls_M_f32	0.896000028
VehDyn_SLPHwPos_HwDeg_M_f32	-388.730011
k_HiSpdVDAuthority_Uls_f32	0.200000003
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_SensoriessAutnority_Uis_132 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32	target_VenDyn_Per1_SensoriessAutnonty_Uis_r32 target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VenDyn_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
J	J /
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-705.72998





Name	Input Value
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.39999962
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2500.82007
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.049988
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.6001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5 ± 0.009
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.Timer1_mS_u32	2728878080
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005 ± 0.009
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.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-953.221985
VehDyn_MinOffset_HwDeg_M_f32	1795.08997
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39348888 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.200000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1

Test Step 2.121 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	182.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.5299988
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.69000009e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024
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	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1438.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000339999999
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_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.600006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.70000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	958.213989 -650.442017
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000440000003
VehDyn SLPHwAuth Uls M f32	0.912999988
VehDyn SLPHwPos HwDeg M f32	-378.470001
k_HiSpdVDAuthority_Uls_f32	1
k LoSpdVDAuthority Uls f32	0
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-699.469971 4346.37003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1316.27002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.6000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1235.10999 2600.13989
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	5.5999999
target_venbyn_Per1_TorqueCridCRP_Mithin_isz.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0.0999999
target_venDyn_Per1_venicleSpeedvalid_Cnt_igc.value	499.980011
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VenDyn_AllowHiSpdAutoCntr_Cnt_M_igc VenDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer1_m5_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
	-1438.5 ± 0.009
VehDyn AutoCntrDetSpd M str RelHwPosEilt1SV HwDea str SV Tils 132	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024 ± 0.0009





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.600006 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1283.87
VehDyn_MinOffset_HwDeg_M_f32	-650.442017
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.60091877 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.912999988 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-378.470001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	202.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
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	753.599976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.6999998e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1.70000007e-007
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_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	98
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.2000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000676000025
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5

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Westing	Name	Input Value
Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 1 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endeske, Chill. 2 Verbiller, Auschanfolder, M. as Fire-Endesk		
Verbin, Auto-Christopd M., Piller Fillander, C. Fu, po Verbin Auto-Christopd M. Piller Fillander, C. Fu, po Verbin Auto-Christopd M. Piller Fillander, C. Fu, po Verbin Auto-Christopd M. Piller Fillander, Verbin 20 Verbin Auto-Christopd M. Pillander, Verbin 20 Verbin Millander, Verb		0
VenDry AuthOriticity of AuthOriticity	VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
Vestion AutoContection of the state Value Resign (12 10,000033	VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
Vestion_AutoContesting_III_Aut	VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
Veltory, Autocretosipo M. se Derivatory, Harden, 122 Veltory, Autocretosipo M. se Trentificate m. di 16 Veltory, Autocretosipo M. se Trentificate m. di 16 Veltory, Autocretosipo M. se Trentificate m. di 16 Veltory, Autocretosipo M. se Trentificate m. di 16 Veltory, Autocretosipo M. se Trentificate m. di 16 Veltory, Autocretosipo M. se Trentificate m. di 16 Veltory, Autocretosipo M. se Trentificate M. del 18 Veltory, Autocretosipo M. se Trentificate M. del 18 Veltory, Autocretosipo M. se Trentificate M. del 18 Veltory, Autocretosipo M. se Trentificate M. del 18 Veltory, Autocretosipo M. se Trentificate M. del 18 Veltory, Autocretosipo M. se Trentificate Onligo Veltor		120.300003
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VenDyn, AutoCents Spp Mis Reshwors F1829 V Hose 22		
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VehDp., AutCott (Sigh_M. st Facchinale.cd (up) VehDp., AutCott (Sigh_M. st Facchinale.cd (up) VehDp., AutCott (Sigh_M. st Facchinale.cd (up) VehDp., MatCott (VehDp., MatCott (Sigh_M. st Facchinale.cd (up) VehDp., MatCott, Hobg_M. (up) VehDp., MatCott, Hobg_M. (up) VehDp., MatCott, Hobg_M. (up) VehDp., MatCott, Hobg_M. (up) VehDp., MatCott, Hobg_M. (up) VehDp., MatCott, Hobg_M. (up) VehDp., MatCott, Hobg_M. (up) VehDp., MatCott, Hobg,M. (up) Veh	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976
Verbiny, AukCortin Sepd. M. pt Filter Intellational Cirt. Igo Verbiny, Historia sem, Cori, M. igo Verbiny, Historia, Cirt. M. jac Verbiny, Historia, Cirt. M. jac Verbiny, Lospet amit, Cirt. M. jac Verbiny, Michael Linder, M. in St. Verbiny, M. in M.	VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VeeDry_NacCriticSequit_Nat FillerCriticalized_Crit_jgs	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
Verboy, Hisote, Crit. Mg Verboy, Logital, Crit. Mg Verboy, Logital, Crit. Mg Verboy, MonOffice, Hisote, Mg Mg Verboy, MonOffice, Hisote, Mg Mg Verboy, MonOffice, Hisote, Mg Mg Verboy, MonOffice, Hisote, Mg Mg Verboy, Mg Verboy	VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
Verbiny_LoSP_ARCON_CH_MU_gc		
VerbThy_MacKinet_HAbeg_M_S22		·
VerbOy_MortClett_Hobog_M_S2		
VerbOyn		
Verbiny_PartGSV_M_strK_Uis_E2	,	
VerbDyn StPHWAUL UIS M 132 0.000441000011 VerbDyn StPHWAUL UIS M 132 0.0000077 VerbDyn StPHWAUL UIS M 132 0.00000077 VerbDyn StPHWAUL UIS M 132 0.0000077 VerbDyn VerbDyn Derl StPHWAUL UIS M 132 0.0000077 VerbDyn VerbDyn VerbDyn Perl CwEOT HwDeg 132 0.0000077 VerbDyn VerbDyn VerbDyn Perl CwEOT HwDeg 132 0.0000077 VerbDyn VerbDyn VerbDyn Perl MortovicePerl Miritary StPHWAUL UIS M 132 0.0000077 VerbDyn VerbDyn Perl MortovicePerl Miritary StPHWAUL UIS W 132 0.0000077 VerbDyn VerbDyn Perl SteasoniceSteakTools, W 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl MortovicePerl Miritary StPHWAUL UIS W 132 0.0000077 VerbDyn Perl MortovicePerl Miritary StPHWAUL UIS W 132 0.0000077 VerbDyn Perl MortovicePerl Miritary StPHWAUL UIS W 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl CovEOT HwDeg 132 0.0000077 VerbDyn Perl MotovicePerl Miritary StPHWAUL UIS W 130 0.0000077 VerbDyn AutochribeSped Kin Line Line Line Line Line Line Line Li		
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R_LISSPATONAUthority_Uis_132 1		
Image: Common		
K_TravelXCDeadband_US_132		1
International Content	k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985
target_DrimnElapsedTime_mS_u32_ElapsedTime 3224313344 target_GetSystemTime_mS_u32_CurrentTime 309385728 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_CAEOT_HwDeg_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_CAEOT_HwDeg_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_CAEOT_HwDeg_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MrRadpS_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MrRadpS_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MrRadpS_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_ReiN+Pog_HwDeg_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Valic_On_Uig_Larget_Rie_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Valic_On_Uig_Larget_Rie_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Valic_On_Uig_Larget_VehDyn_Per1_VehicleSpeed_Kph_I32 target_VehDyn_Per1_CAECOT_HwDeg_I32_value -093_210022 target_VehDyn_Per1_DevEOT_HwDeg_I32_value -093_210022 target_VehDyn_Per1_HwTorque_HwMm_I32_value -093_210022 target_VehDyn_Per1_HwTorque_HwMm_I32_value -093_210022 target_VehDyn_Per1_HwTorque_HwMm_I32_value -093_210022 target_VehDyn_Per1_IndevEOR_Mritin_I32_value -2400 target_VehDyn_Per1_IndevEOR_Mritin_I32_value -2400 target_VehDyn_Per1_IndevEOR_Mritin_I32_value -2400 target_VehDyn_AllochtiDestDyd_Mrit_Timer1_mS_u32 -2400 1 0.009 VehDyn_AutoChritDestDyd_Mrit_Timer1_mS_u32 -2400	k_TravelXCDeadband_Uls_f32	46.6399994
	k_TravelXCHwAuthority_Uls_f32	0.161174998
target_Rie_Inst_Ap_VehDyn-VehDyn_PerI_CwEOT_HwDeg_132		
target_Rel_inst_Ap_VehDyn_VehDyn_Per1_LMTGrque_HwNm_f32 target_VehDyn_Per1_MtDrque_HwNm_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_HwTGrque_HwNm_f32 target_VehDyn_Per1_MtDrque_HwNm_f32 target_VehDyn_Per1_MtDrque_HwNm_f32 target_VehDyn_VehDyn_Per1_ReliwPos_HwDeg_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_ReliwPos_HwDeg_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_Sensoriessauthority_Uis_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_Sensoriessauthority_Uis_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_Sensoriessauthority_Uis_f32 target_VehDyn_Per1_Sensoriessauthority_Uis_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_Mirthm_f32 target_VehDyn_Per1_Sensoriessauthority_Uis_f32 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_NelixPehDeg_f32 target_VehDyn_Per1_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_TorqueCmdCRF_MirtNn_f32 target_VehDyn_Per1_TorqueCmdCRF_MirtNn_f32 target_VehDyn_Per1_TorqueCmdCRF_MirtNn_f32 target_VehDyn_Per1_TorqueCmdCRF_MirtNn_f32 target_VehDyn_Per1_TorqueCmdCRF_MirtNn_f32 target_VehDyn_Per1_TorqueCmdCRF_MirtNn_f32 target_VehDyn_Per1_TorqueCmdCRF_MirtNn_f32 target_VehDyn		
target_Rel_inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_MotoVelCRF_MRRadpS_f32 target_VehDyn_Per1_MotoVelCRF_MRRadpS_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedVaild_Cnt_Ugc target_VehDyn_Per1_SensoriessAuthority_Uis_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_CevECOT_HwDeg_f32_Value target_VehDyn_Per1_CevECOT_HwDeg_f32_Value 4503.210022 target_VehDyn_Per1_MeltwOrdCRF_MrthadpS_f32_Value 1510.70105 target_VehDyn_Per1_MeltwOrdCRF_MrthadpS_f32_Value 154 target_VehDyn_Per1_VehicleSpeed_Kpf_f32_Value 45099999 target_VehDyn_Per1_VehicleSpeed_Kpf_f32_Value 10 target_VehDyn_Per1_VehicleSpeed_Kpf_f32_Value 10 VehDyn_AutoChtrDelSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoChtrDelSpd_M_str.Timer2_mS_u32 2400 ± 0.009 VehDyn_AutoChtrDelSpd_M_str.Filter1Enable_Cnt_Ugc		
target_Re_inst_Ap_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32 target_Re_inst_Ap_VehDyn_VehDyn_Pert_ReiHwPos_HwDeg_f32 target_VehDyn_Pert_ReiHwPos_HwDeg_f32 target_Re_inst_Ap_VehDyn_VehDyn_Pert_SensoriessAthmotity_Uis_f32 target_Re_inst_Ap_VehDyn_VehDyn_Pert_SensoriessAthworlity_Uis_f32 target_Re_inst_Ap_VehDyn_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Pert_SensoriessHwDos_HwDeg_f32 target_Re_inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeedValid_Cnt_igc target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_Neb_inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed Kph_f32 target_VehDyn_Pert_VehicleSpeedValid_Cnt_igc target_VehDyn_Pert_CwCOT_HwDeg_f32.value -693.210022 target_VehDyn_Pert_OwEOT_HwDeg_f32.value 1310.70105 target_VehDyn_Pert_Move_MtrNm_f32.value 9.80000019 target_VehDyn_Pert_MellowEOR_MtrNm_f32.value 154 target_VehDyn_Pert_NetholeGewedValid_Cnt_igc_value 1 target_VehDyn_Pert_VehicleSpeed Kph_f32.value 1 target_VehDyn_Pert_VehicleSpeed Kph_f32		
target_Re_Inst_Ap_VehDyn_VehDyn_Pert_RelHwPos_HwDeg_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Khp_f32 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Pert_Aph_VehDyn_Pert_VehicleSpeed_Kpf_f32 target_VehDyn_Pert_VehicleSpeed_Kpf_f32 target_VehDyn_Pert_CcxeC0T_HwDeg_f32.value -693.210022 target_VehDyn_Pert_More_HwNm_f32.value 93.200022 target_VehDyn_Pert_More_HwNm_f32.value 154 target_VehDyn_Pert_More_MCRF_MtrRadpS_f32.value 154 target_VehDyn_Pert_More_MCRF_MtrRadpS_f32.value -2400 target_VehDyn_Pert_VehicleSpeed_Vgh_f32.value 120.050003 target_VehDyn_Pert_VehicleSpeed_Kph_f32.value 120.050003 VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc 0 VehDyn_AutoCntrDetSpd_M_str_Timert_mS_u32 33822127733 VehDyn_AutoCntrDetSpd_M_str_RelHwPosFilitSV_HwDeg_str.SV_Uis_f32 -1988.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str_RelHwPosFilitSV_HwDeg_str.SV_Uis_f32 -1988.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M		
target_Rte_Inst_Ap_VehDyn.VehDyn_Perf_SensoriessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Perf_SensoriessAwthos_HwDeg_f32 target_VehDyn_Perf_SensoriessAwthority_Uis_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Perf_CroqueCmdCRF_MIXMn_f32 target_NehDyn_Perf_CwcMCRF_MIXMn_f32 target_NehDyn_Perf_CwcMCRF_MIXMn_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Perf_VehicleSpeedValid_Cnt_Igc target_VehDyn_Perf_VehicleSpeedValid_Cnt_Igc target_VehDyn_Perf_VehicleSpeed Kph_f32 target_VehDyn_Perf_CwCCT_HwDeg_f32.value 1310.70105 493.210022 target_VehDyn_Perf_MotorVeiCRF_MixMn_f32.value 1310.70105 493.210022 target_VehDyn_Perf_MotorVeiCRF_MixRadpS_f32.value 154 490.000019 target_VehDyn_Perf_NethInwPos_HwDeg_f32.value 2400 45999999 target_VehDyn_Perf_VehicleSpeedValid_Cnt_Igc_value 120.050003 1 target_VehDyn_Perf_VehicleSpeedValid_Cnt_Igc_value 120.050003 1 vehDyn_AllochtDetSpd_M_str_Timer1_mS_u32 3382212733 309385728 VehDyn_AutoCntrDetSpd_M_str_Timer1_mS_u32 309385728 2400 ± 0.009 VehDyn_AutoCntrDetSpd_M_str_RelHwPosFittSV_HwDeg_str.SV_Uis_f32 1988.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str_FilterTinitialized_Cnt_Igc 1 VehDyn_AutoCntrDetSpd_M_str_Filte		
target_Re_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_CwECM_CMF_MtrNm_f32 target_VehDyn_Per1_CwECM_HwDey_Per1_VehicleSpeed_Kpf_f32 target_VehDyn_Per1_CwECM_HwDey_f32_Vehlue -893.210022 target_VehDyn_Per1_CwECM_HwDey_f32_Vehlue -893.210022 target_VehDyn_Per1_MvTroque_HwNm_f32_Value -893.210022 target_VehDyn_Per1_MvTroque_HwNm_f32_Value -893.210022 target_VehDyn_Per1_MvTroque_HwNm_f32_Value -893.210022 target_VehDyn_Per1_MvTroque_HwNm_f32_Value -893.210022 target_VehDyn_Per1_MvTroque_HwNm_f32_Value -893.210022 154 target_VehDyn_Per1_MvTroque_HwNm_f32_Value -893.210022 154 target_VehDyn_Per1_WvTroque_HwNm_f32_Value -4.5999999 154 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value -4.5999999 120.050003 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value 120.050003 target_VehDyn_Per1_VehicleSpeedValid_Dehr_F32_VehDyn_AutoCntrDehr_Cnt_M_Igc 0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_IorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_LowEOT_HwDeg_f32.value -693.210022 target_VehDyn_Pert_HwTorque_HwNm_f32.value 9.80000019 target_VehDyn_Pert_MotorvelCRF_MtrRadpS_f32.value 154 target_VehDyn_Pert_RelHwPos_HwDeg_f32.value -2400 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Pert_VehicleSpeed/Kin_f32.value 1 target_VehDyn_Pert_VehicleSpeed/Kin_f32.value 1 target_VehDyn_Pert_VehicleSpeed/Kin_Cnt_Igc_value 1 target_VehDyn_Pert_VehicleSpeed_Kph_f32.value 1 VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 0 VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_Uis_f32 -1998.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_Uis_f32 -1998.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Timer_		7 - 7 - 7
target_Rte_Inst_Ap_VehDyn,VehDyn,Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value		
target_VehDyn_Pert_CxeCOT_HwDeg_f32.value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_HwTorque_HwNm_f32.value 9.80000019 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -2400 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -45999999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 120.050003 Name Expected Value VehDyn_Per1_VehicleSpeed_Kph_f32.value 120.050003 Name Expected Value VehDyn_AulochtDetSpd_M_str.Timer1_mS_u32 382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 399385728 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 -2400 ±0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 -1988.40002 ±0.009 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_AutoCntrHiSpd_M_str.Timer1_mS_u32 2345892861 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_UIs_f32 1024 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 10 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 10 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 11 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 11 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 11 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 11 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 11 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 11	target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-693.210022
target_VehDyn_Per1_Motor_VelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1310.70105
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32_value		
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 309385728 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1988.40002 ± 0.009 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.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1_ms_u32 2345892861 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.09998 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.5 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 120.050003 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 309385728 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIS_f32 -1988.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2345892861 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.09998 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.5 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		
Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 309385728 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -2400 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1988.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2345892861 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1900.09998 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 753.5 ± 0.0009 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_AltoWHiSpdAutoCntr_Cnt_M_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 309385728 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1988.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2345892861 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.09998 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 753.5 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 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_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 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.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 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		· ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_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.RelHwPosFilt2SV_HwDeg_str.SV_UIs_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 1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2345892861 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1900.09998 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.5 ± 0.0009 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_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2345892861 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 1024 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -1900.09998 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 753.5 ± 0.0009 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_AutoCntrDetSpd_M_str.Filter2Enable_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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		· ·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		
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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		
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.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1		
- ,		
vendyn autountrhispd M str.Hiter2Initialized Cnt Igc 0	VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1310.70105
VehDyn_MinOffset_HwDeg_M_f32	-693.210022
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50363731 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.930000007 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-368.209991 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
DtrmnElapsedTime_mS_u32	1
GetSystemTime_mS_u32	1
DtrmnElapsedTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.123 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_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	211.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.7100001e-006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992	
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	18.2000008	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.40002	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000677999982	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000348000001	
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	66.5	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.5	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715	

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.6001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.73999966e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006
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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	0
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_UIs_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
k_HiSpdVDAuthority_UIs_f32	0.5
k_LoSpdVDAuthority_UIs_f32 k_SysKinRatio_MtrDegpHwDeg_f32	0 75.4000015
k TravelXCDeadband Uls f32	45.6100006
k TravelXCHwAuthority Uls f32	0.162400007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
target_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_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	-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	2800.07007
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886 -1988.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	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.Timer1_mS_u32	2659241984
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.40002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009
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 VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.6001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1 0
VehDyn_LoSpdLearnt_Cnt_M_lgc	





Name	Expected Value
VehDyn_MaxOffset_HwDeg_M_f32	1305.13196
VehDyn_MinOffset_HwDeg_M_f32	-686.950012
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59980774 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.947000027 ± 0.004
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-357.950012 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	543.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	199.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	45.0999985
ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	33198
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	7778
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2345892861
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1988.59998
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.72e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.69995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
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	88.1999969
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5
ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	75
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	10412
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3277
	2760420810
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000679999997
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1988.59998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000352000003
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	34.5999985
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.75999981e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
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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VehDyn_Per1



Name	Input Value
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-973.190002
VehDyn_MinOffset_HwDeg_M_f32	-630.390015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000442999997
VehDyn_SLPHwAuth_Uls_M_f32	0.963999987
VehDyn_SLPHwPos_HwDeg_M_f32	-347.690002
k_HiSpdVDAuthority_Uls_f32	0.69999988
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	97.0999985
k_TravelXCDeadband_Uls_f32	44.5800018
k_TravelXCHwAuthority_Uls_f32	0.163625002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2894938880
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-680.690002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1299.56299
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.39999998
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1253
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.08997
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.550003
Name	Expected Value
	·
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 3796740682
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 3796740682 2345892861
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 3796740682 2345892861 1988.59998 ± 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 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 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 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 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 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 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 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 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 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 0 1 1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.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	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779
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 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 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 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	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1988.59998 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1988.59998 ± 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.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	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1988.59998 ± 0.009 0 1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1988.59998 ± 0.009 0 1 1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1988.59998 ± 0.009 0 1 1 1 0
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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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1988.59998 ± 0.009 0 1 1 1 0 383750110 3174948759 -2400.5 ± 0.009
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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.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.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1 1 1 0 383750110 3174948759 -2400.5 ± 0.009 1 0 0 1 1 0 0 0 1 1 1 1 0
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VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_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_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1988.59998 ± 0.009 0 1 1 1 0 383750110 3174948759 -2400.5 ± 0.009 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_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.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_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_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1 888.59998 ± 0.009 0 1 1 1 0 0 383750110 3174948759 -2400.5 ± 0.009 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1

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Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

I	Immut Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.5
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.72999989e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh mS_u16	16683
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000682000013
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000356000004
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.70000005
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.699997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.6999998
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.6999969
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	3382212733
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.6001
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.77999997e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
	0.000682000022
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	978.182007
ehDyn_MinOffset_HwDeg_M_f32	-623.705994
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000444000005
/ehDyn_SLPHwAuth_Uls_M_f32	0.981000006
/ehDyn_SLPHwPos_HwDeg_M_f32	-337.429993

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Name	Innut Value
Name	Input Value
k_HiSpdVDAuthority_UIs_f32	0.800000012
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	43.5499992
k_TravelXCHwAuthority_UIs_f32	0.164849997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336
target_GetSystemTime_mS_u32_CurrentTime	1117112832
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 VehDyn Per1 HwTorque HwNm f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 MotorVelCRF MtrRadpS f32
target_Rte_Inst_Ap_VehDyn_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_ToliqueCritdcNt_jwithin_i52 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-674.429993
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1293.99402
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	753.03302
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	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Iqc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uls_f32	-2400.3999 ± 0.009
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.Timer1_mS_u32	1117112832
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1117112832
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.6001 ± 0.009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600.1001 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	540.960999
VehDyn_MinOffset_HwDeg_M_f32	-623.705994
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79582405 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.981000006 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-337.429993 ± 0.1
<u> </u>	

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn 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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.74000001e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000883999979
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	120.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000684000028
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000360000005
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 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.800003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.800003
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	16.7999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.7999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.80000012e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.19995
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000883999979
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	983.174011
VehDyn_MinOffset_HwDeg_M_f32	-617.021973
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000445000012
VehDyn_SLPHwAuth_Uls_M_f32	0.998000026
VehDyn_SLPHwPos_HwDeg_M_f32	-327.170013
k_HiSpdVDAuthority_Uls_f32	0.89999976
k_LoSpdVDAuthority_Uls_f32	0.99000001
k_SysKinRatio_MtrDegpHwDeg_f32	42.5
k_TravelXCDeadband_Uls_f32	42.5200005
k_TravelXCHwAuthority_UIs_f32	0.166075006
	800969984
target_DtrmnElapsedTime_mS_u32_ElapsedTime	
target_GetSystemTime_mS_u32_CurrentTime	1736795392
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	1736795392 target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_GetSystemTime_mS_u32_CurrentTime	1736795392

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_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	-668.169983
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1288.42505
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	800
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1988
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.8499985
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.69995 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1736795392
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2345892861
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2500.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
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.Timer1 mS u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn MaxOffset HwDeg M f32	1288.42505
,	-668.169983
	3.19759798 ± 0.000009
	0.89999976 ± 0.004
· - · ·	
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	3.19759798 ± 0.000009

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.74999991e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	350
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 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
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000685999985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.69995
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	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	753.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	6.82000027e-005 2800.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00885999994
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000003333334
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_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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0.779999971
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_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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_Kte_inst_Ap_venDyn.venDyn_Peri_venicleSpeed_Kpn_t32 target_VehDyn_Peri_CcwEOT_HwDeg_t32.value	-661.909973
target VehDyn Per1 CwEOT HwDeg f32.value	1282.85596
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.29999995
	-418.660004
target VehDvn Per1 MotorVelCRF MtrRadpS f32 value	
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988





Name	Input Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.9199982
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
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.Timer1_mS_u32	3437401088
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.69995 ± 0.009
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.Timer1_mS_u32	3437401088
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.400024 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1282.85596
VehDyn_MinOffset_HwDeg_M_f32	-661.909973
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39843702 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.779999971 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-812.099976 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.128 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76000003e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00088800001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.69995
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 Igc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	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 AutoCntrLoSpd M str.Timer2Thresh mS u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.8399997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00088800001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
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_UIs_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	0.800000012
k_SysKinRatio_MtrDegpHwDeg_f32	53.0999985
k TravelXCDeadband Uls f32	40.4599991
k_TravelXCHwAuthority_Uls_f32	0.168524995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3351443200
target_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_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_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_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_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_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_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_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_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_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_TorqueCmdCRF_MtrNm_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_TorqueCmdCRF_MtrNm_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_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_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 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_SensorlessHwPos_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_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999 5.59999999
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_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	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999 5.5999999 1 52.0499992
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999 5.5999999 1 52.0499992 Expected Value
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999 5.5999999 1 52.0499992 Expected Value 0
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999 5.5999999 1 52.0499992 Expected Value
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999 5.5999999 1 52.0499992 Expected Value 0
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 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	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999 5.5999999 1 52.0499992 Expected Value 0 3494315776
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_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_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 -425 1991.10999 5.5999999 1 52.0499992 Expected Value 0 3494315776 3174948759
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_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	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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 425 1991.10999 5.5999999 1 52.0499992 Expected Value 0 3494315776 3174948759 -1482.69995 ± 0.009 1950.09998 ± 0.009
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_RelHwPos_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 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.59999999 -425 1991.10999 5.59999999 1 52.0499992 Expected Value 0 3494315776 3174948759 -1482.69995 ± 0.009 1950.09998 ± 0.009 0
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_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	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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -655.650024 1277.28699 -2.5999999 425 1991.10999 5.5999999 1 52.0499992 Expected Value 0 3494315776 3174948759 -1482.69995 ± 0.009 1950.09998 ± 0.009





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.69995 ± 0.009
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.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.69995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5 ± 0.009
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_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	7.59548759 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.959999979 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-306.649994 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	8366
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51002
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.799988
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76999992e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000890000025
/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	116.199997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53
/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	2967684784
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000690000015
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.80005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00037200001
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.900024
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.899994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.89999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.8599985e-005
VehDyn_AutoCotrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024 0.000890000025
VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0
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	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-998.150024
VehDyn_MinOffset_HwDeg_M_f32	-596.969971
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000448000006
VehDyn_SLPHwAuth_Uls_M_f32	0.940999985
VehDyn_SLPHwPos_HwDeg_M_f32	-296.390015
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0.300000012
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	39.4300003
k_TravelXCHwAuthority_Uls_f32	0.169750005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1358028288
target_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_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_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	-649.390015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1271.71802
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.9000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.679993
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-824.440002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.880005
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-753.799988 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
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.Timer1_mS_u32	463842816
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.80005 ± 0.009
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.Timer1_mS_u32	463842816
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024 ± 0.0009





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-998.150024
VehDyn_MinOffset_HwDeg_M_f32	175.050003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49798727 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.300000012 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1577.83997 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name	Innut Value
	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	290.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	67.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	3658
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	5853
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.700012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.78000004e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000891999982
/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	200.199997
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000691999972
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.90002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000376000011
/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	200.600006
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.600006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.5999999
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.69995
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.88e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000891999982
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_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 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-590.286011 -1.60000002
VehDyn PinTrqSV M str.K Uls f32	0.000449000014
VehDyn SLPHwAuth Uls M f32	0.921999991
VehDyn_SLPHwPos_HwDeg_M_f32	-286.130005
k HiSpdVDAuthority Uls f32	0
k_LoSpdVDAuthority_Uls_f32	0.777999997
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	38.4000015
k_TravelXCHwAuthority_Uls_f32	0.170975
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1975593216
target_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_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_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	-2880
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCatrDetSpd_M_str.Timer1_mS_u32	1759885568
VehDyn_AutoCotrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.700012 ± 0.0009 -1438.40002 ± 0.009
VehDyn AutoCntrDetSpd_M_str.Filter1Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4004004657
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.90002 ± 0.009
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.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.69995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	1266.14905
VehDyn_MinOffset_HwDeg_M_f32	-643.130005
·	-643.130005 -1.60068214 ± 0.000009 0.921999991 ± 0.004





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-286.130005 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

lamo	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	23667
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.7899994e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997
/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	457
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.199997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
/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	3382212733
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000693999988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.899994
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000380000012
/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	457.899994
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.899994
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.9000001
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.9000015
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.9000015e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997
/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_HiSpdLearnt_Cnt_M_lgc	0
ehDyn Initialize Cnt M lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	1008.13397
/ehDyn_MinOffset_HwDeg_M_f32	-583.60199
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000449999992





Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.902999997
VehDyn_SLPHwPos_HwDeg_M_f32	-275.869995
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985
k_TravelXCDeadband_Uls_f32	37.3699989
k_TravelXCHwAuthority_UIs_f32	0.172199994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864
target_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_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	-636.869995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1260.57996
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.77002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	453.570007
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0 1662097408
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 1662097408 3382212733
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 1662097408 3382212733 753.200012 ± 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	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 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 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 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	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 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	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 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_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	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1 1662097408
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 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 11662097408 1078320779
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 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 11662097408 1078320779 -2400.3999 ± 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.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 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 11662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 11662097408 1078320779 -2400.3999 ± 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.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 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 1
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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 1 1
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 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 11 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 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.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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 1 1 0 0 0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 1 1 0 0 1 1 1 0 0 0 1
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 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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 1 1 0 0 1 1 0 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter1Initialized_Spd_WehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Spd_WehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Spd_Str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 1 1 0 0 1 1 0 0 1 1 0 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 1 1 0 0 1 1 0 0 1 1 0 1 6 6 6 6 6 6 6

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1.
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1



Test Step 2.132 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	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	32.099985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	49369
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.8000006e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000896000012
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	146
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45
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	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00696000003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000384000014
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.Filter2Initialized_Cnt_lgc	0 498.299988
VehDyn_AutoCntrloSpd_M_str.MtrVel_MtrRadpS_f32	206.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32	3.29999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.69995
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.92000031e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1991.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000896000012
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_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1013.12598
VehDyn_MinOffset_HwDeg_M_f32	-576.91803
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000451
VehDyn_SLPHwAuth_Uls_M_f32	0.884000003
VehDyn_SLPHwPos_HwDeg_M_f32	-265.609985
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	78.4000015
k_TravelXCDeadband_Uls_f32	36.3400002
k_TraveIXCHwAuthority_Uls_f32	0.173425004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344
target_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

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-630.609985
target VehDyn Per1 CwEOT HwDeg f32.value	1255.01099
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.79999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1235
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	657.869995
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-5.4000001
	1
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.119995
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.700012 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998 ± 0.009
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.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.90002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.69995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
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 Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M lgc	1
VehDyn MaxOffset HwDeg M f32	597.140991
VehDyn_MinOffset_HwDeg_M_f32	-576.91803
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7902279 ± 0.00009
	0.884000003 ± 0.004
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-265.609985 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	328928812

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.80999995e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997
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 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	539
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000698000018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.80005
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	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002 6.030000730.005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	6.93999973e-005 -2400.3999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00898000028
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_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	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
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	35.3100014
k_TravelXCHwAuthority_Uls_f32	0.174649999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4178051584
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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 target VehDyn Per1 CwEOT HwDeg_f32.value	-624.349976 1249.44202
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.0999999
target veribyii i eri i iwi leique i iwi will IUZ.Value	
	154
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	154 2880.05005





Name	Input Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.019989
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	456.799988 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997 ± 0.0009
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.Timer1_mS_u32	4243378688
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.80005 ± 0.009
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.Timer1_mS_u32	4243378688
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1630.60803
VehDyn_MinOffset_HwDeg_M_f32	-570.234009
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.99865341 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.86500001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-255.350006 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

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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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.39999962
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.82000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
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_lgc	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

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Name	Input Value
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	4004004657
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1991.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1900.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000391999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.299988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.2999995
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	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.9599988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
, <u> </u>	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	
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_SLPHwPos_HwDeg_M_f32	-245.089996
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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 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_Rie_Inst_Ap_venbyn.venbyn_Per1_venicieSpeed_kpi1_i32 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 750.940037
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.840027
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	200.645996
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1050692864
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2500.69995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
VehDyn_AutoChtrDetSpd_M_str.Filter1Enable_Cht_lgc	-1900.09996 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.40002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1900.80005 ± 0.009
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.Timer1_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1243.87305
VehDyn_MinOffset_HwDeg_M_f32	-618.090027
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29517412 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.846000016 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-245.089996 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	457.100006
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	176.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	63.099985
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	11226
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	60000
/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	2600.80005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.82999997e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621.099976
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.199997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2000008
/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	-2000.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00070199999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.90002
/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
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	621.700012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.199997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.9800003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 0.000902
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	1
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1028.10205
VehDyn_MinOffset_HwDeg_M_f32	-556.866028
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000453999994
VehDyn_SLPHwAuth_Uls_M_f32	0.827000022
VehDyn_SLPHwPos_HwDeg_M_f32	-234.830002
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	52.5
k_TravelXCDeadband_Uls_f32	33.25
k_TravelXCHwAuthority_Uls_f32	0.177100003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2644937728
target_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_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
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_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	-611.830017
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1238.30396
target VehDyn Per1 HwTorque HwNm f32.value	-4.6999981
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-1253
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2000
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.079987
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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.Timer1_mS_u32	3039943680
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.90002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
	0
	0
	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 3039943680
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1

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Name	Expected 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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1238.30396
VehDyn_MinOffset_HwDeg_M_f32	-611.830017
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1909513 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.827000022 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-234.830002 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.5
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.5
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.5
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29729
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	33804
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.69995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.83999986e-006
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600.1001
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000904000015
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	662.700012
'ehDyn AutoCntrHiSpd M str.VehSpd kph f32	146.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.19999981
'ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	52
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	43190
ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	3186
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	219286216
ehDyn AutoCntrHiSpd M str.Timer2 mS u32	1024
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.19995
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000704000005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.80005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.0003999999
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_lgc	662,200012
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	11 111
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.199997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.0000019e-005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.5
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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1033.09399
VehDyn_MinOffset_HwDeg_M_f32	-550.182007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000455000001
VehDyn_SLPHwAuth_Uls_M_f32	0.808000028
VehDyn_SLPHwPos_HwDeg_M_f32	-224.570007
k_HiSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32	0 1
k_SysKinRatio_MtrDegpHwDeg_f32	41.099985
k_TravelXCDeadband_Uls_f32	32.2200012
k_TravelXCHwAuthority_Uls_f32	0.178324997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2212175616
target_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_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	-605.570007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1232.73499
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.73999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1900
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.599999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 120.410004
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1316564736
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.69995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
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_AutoCatrUiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216 1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 1900.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.80005 ± 0.009
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.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	753.099976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1950.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1033.09399
VehDyn_MinOffset_HwDeg_M_f32	-550.182007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9914055 ± 0.00009 0.80800028 ± 0.004
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-224.570007 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

lomo	Innut Value
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	539.400024
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.399994
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.399996
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
/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	-3200
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.85000021e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
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	124.400002
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.8000002
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000706000021
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403999991
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.399994
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.19995
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.02000034e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
/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_HiSpdLearnt_Cnt_M_lgc	0
'ehDyn Initialize Cnt M lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	1038.08606
/ehDyn_MinOffset_HwDeg_M_f32	-543.497986
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456000009





Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.788999975
VehDyn_SLPHwPos_HwDeg_M_f32	-214.309998
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	63.4000015
k_TravelXCDeadband_Uls_f32	31.1900005
k_TravelXCHwAuthority_Uls_f32	0.179550007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336
target_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_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	-599.309998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1227.16602
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.30000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.839996
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.050003
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
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.Timer1_mS_u32	2075080192
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
	-1900.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-753.799988 ± 0.0009 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	-753.799988 ± 0.0009 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	-753.799988 ± 0.0009 0 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-753.799988 ± 0.0009 0 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 VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc	-753.799988 ± 0.0009 0 0 0 1 2075080192
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	-753.799988 ± 0.0009 0 0 0 1 2075080192 3174948759
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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 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_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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 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.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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1 1 1 1 1 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1 1 1 0 1
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.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	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1 1 1 0 100 1038.08606
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.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_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1 1 0 1 0 1038.08606 1300.68994
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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_IsipdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1 1 0 1 0 1038.08606 1300.68994 7.79397392 ± 0.000009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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_MinOffset_HwDeg_M_f32	-753.799988 ± 0.0009 0 0 1 2075080192 3174948759 1885.19995 ± 0.009 1885.09998 ± 0.009 0 1 1 0 1 0 1038.08606 1300.68994

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1.
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	76.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.86000011e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.800003
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.600006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	19.7000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000707999978
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.700012
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	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.100006
VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32	18.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.09998
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.03999976e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	142.199997
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1043.078
VehDyn_MinOffset_HwDeg_M_f32	-536.814026
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456999987
VehDyn_SLPHwAuth_Uls_M_f32	0.769999981
VehDyn_SLPHwPos_HwDeg_M_f32	-204.050003
k_HiSpdVDAuthority_Uls_f32	0.99000001
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985
k_TravelXCDeadband_Uls_f32	30.1599998
k_TravelXCHwAuthority_Uls_f32	0.180775002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984
torget CatCustomTime mC u22 CurrentTime	954802432
target_GetSystemTime_mS_u32_CurrentTime	
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

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	-593.049988
target VehDyn Per1 CwEOT HwDeg f32.value	1221.59705
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1199.41003
target VehDyn Per1 RelHwPos HwDeg f32.value	-1482.21997
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target VehDyn Per1 VehicleSpeed Kph f32.value	245.020004
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	3200 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.1001 ± 0.009
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.Timer1_mS_u32	954802432
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.700012 ± 0.0009
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.Timer1_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1221.59705
VehDyn_MinOffset_HwDeg_M_f32	-593.049988
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.19598508 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.99000001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	621.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	328928812

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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	3.87e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.8000031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176.699997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.70000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000709999993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000411999994
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	86.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-1753.19995 7.0000000-0005
VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.05999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	-1900.09998 0.000910000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1048.06995
VehDyn MinOffset HwDeg M f32	-530.130005
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000457999995
VehDyn_SLPHwAuth_Uls_M_f32	0.750999987
VehDyn_SLPHwPos_HwDeg_M_f32	-193.789993
k_HiSpdVDAuthority_UIs_f32	0.88999986
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	75.3000031
k_TravelXCDeadband_Uls_f32	29.1299992
k_TravelXCHwAuthority_Uls_f32	0.181999996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000
target_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_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_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	-586.789978 1216.02705
	1216.02795
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-5 9000001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.9000001 1109 14001
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Name	Input Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.059998
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 ± 0.000009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
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.Timer1_mS_u32	2728878080
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.69995 ± 0.009
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.Timer1_mS_u32	2728878080
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1216.02795
VehDyn_MinOffset_HwDeg_M_f32	-586.789978
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.40019512 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.750999987 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-193.789993 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.140 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.87999989e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.299988
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	44.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.199997

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.4000015
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	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000712000008
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000415999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.099985
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.099976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.08000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1053.06201
VehDyn_MinOffset_HwDeg_M_f32	-523.445984
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.599999 0.000459000003
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.731999993
VehDyn SLPHwPos HwDeg M f32	-183.529999
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_LoSpdVDAuthority_UIs_f32	1
k SysKinRatio MtrDegpHwDeg f32	97.5
k TravelXCDeadband Uls f32	28.1000004
k_TravelXCHwAuthority_Uls_f32	0.183225006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target_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_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	-580.530029
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1210.45898
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1299 456 063080
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.963989 -4.5999999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-4.5999999 1
target_VehDyn_Per1_VehicleSpeedValid_Crit_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.8800011
Name	
	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 164464918
VEHIDYII AULUCHUIDELOPU IVI SULTIINELL IIIO U32	164464918 328928812
VahDun AutoCatrDatSad M atr Timor? ms use	J2U32U01Z
	1440.88 ± 0.000
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88 ± 0.009
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.Filter1Fnable_Cnt_loc	753.299988 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988 ± 0.0009
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.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.099976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	753.494995
VehDyn_MinOffset_HwDeg_M_f32	-523.445984
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59364414 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1210.76404 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.88999979e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.89999962
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000714000023
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988
/ehDyn_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

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.39999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.10000022e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1058.05396
VehDyn_MinOffset_HwDeg_M_f32	-516.762024
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046000001
VehDyn_SLPHwAuth_Uls_M_f32	0.713
VehDyn_SLPHwPos_HwDeg_M_f32	-173.270004
k_HiSpdVDAuthority_Uls_f32	0.340000004
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	86.099985
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-574.27002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1204.89001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.649994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2500
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.7700005
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
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.Timer1_mS_u32	309385728
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	U .
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
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	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 1 309385728





Name	Expected 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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1058.05396
VehDyn_MinOffset_HwDeg_M_f32	1925.72998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49629378 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.713 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-173.270004 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	9.10000038
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	226.100006
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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	52282
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	274107514
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2138628886
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600.13989
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.51000006e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1988.30005
/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.FiltPinTrg 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	2760420810
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600,30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5
/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 Igc	0
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	100.300003
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	236.300003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32	4.30000019
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	32.2999992
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV HwDeg_str.SV Uls_f32	425.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995
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_AutoCotrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	96.4000015 26.0400009
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	0.185674995
target DtrmnElapsedTime mS u32 ElapsedTime	2942063360
target 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_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 target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-568.01001 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	2600
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.13989 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0 0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5 ± 0.009
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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812 4211268631
VehDyn_AutoCntrLoSpd_M_str.1imer2_ms_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4211208031 425.5 ± 0.0009
VenDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uis_132 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uis_132	-2400.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1199.32104
VehDyn_MinOffset_HwDeg_M_f32	-568.01001
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60240626 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.694000006 ± 0.004





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-163.009995 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.143 (Repeat Count = 1)		
Name	Input Value	
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_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	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	328928812	
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00125584798	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995	
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	124.400002	
ehDyn AutoCntrHiSpd M str.VehSpd kph f32	216	
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.80000019	
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.099985	
, = , = = , = ,=	38868	
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944	
	2760420810	
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32		
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000717999996	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-753.200012	
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	124.099998	
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006	
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.4099998	
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.0999985	
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034	
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056	
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005	
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1399998e-005	
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	2800.1001	
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005	
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_HiSpdLearnt_Cnt_M_lgc	0	
ehDyn_Initialize_Cnt_M_lgc	0	
ehDyn_LoSpdLearnt_Cnt_M_lgc	0	
ehDyn_MaxOffset_HwDeg_M_f32	1068.03796	
/ehDyn_MinOffset_HwDeg_M_f32	-503.394012	
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002	
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000461999996	





Name	Input Value
VehDyn SLPHwAuth Uls M f32	0.675000012
VehDyn SLPHwPos HwDeg M f32	-152.75
k HiSpdVDAuthority Uls f32	0.670000017
k LoSpdVDAuthority UIs f32	0
k SysKinRatio MtrDegpHwDeg f32	32.0999985
k TravelXCDeadband Uls f32	25.0100002
k TravelXCHwAuthority UIs f32	0.186900005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-561.75
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	-2000
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.020004
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009 -2500.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-2400.19995 ± 0.009 -2500.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360
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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784
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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 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 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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 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 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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 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 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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 0 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 0 1 2942063360
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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 0 1 2942063360 2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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_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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter1Initialized_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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter1Initialized_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.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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 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.Filter1Initialized_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.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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 0 1 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.RelHwPosFilt1SV_HwDeg_str.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.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.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 0 1 1 1 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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_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.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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 0 1 1 0 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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.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.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 0 1 1 0 0 1 1 0 0 1 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_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.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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 0 1 1 0 0 1 1 0 0 1 1 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 1 1 2942063360 2942063360 2160073393 -2000.30005 ± 0.009 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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_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.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	-2400.19995 ± 0.009 -2500.19995 ± 0.009 1 1 0 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 0 1 2942063360 2160073393 -2000.30005 ± 0.009 2800.1001 ± 0.009 0 1 1 0 0 11 1 0 0 1193.75195 -561.75 -14.7963247 ± 0.00009

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 ChecknointReached	1



Test Step 2.144 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	32.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.87999989e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092000002
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_Igc	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.400002 42.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.400001
VenDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HWNm_132 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	4.4000001 63.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	27401
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000720000011
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.19995
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000432000001
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	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	126.199997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.15999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1073.03003
VehDyn_MinOffset_HwDeg_M_f32	-496.709991
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.8000019
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000463000004
VehDyn_SLPHwAuth_Uls_M_f32	0.656000018
VehDyn_SLPHwPos_HwDeg_M_f32	-142.490005
k_HiSpdVDAuthority_Uls_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
	23.9799995
k_TravelXCDeadband_Uls_f32	0.100124000
k_TraveIXCHwAuthority_Uls_f32	0.188124999
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
k_TravelXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	1050692864 4243378688
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-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	-753.640015
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	4.599999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.024994
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.30005 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4243378688
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3796740682
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
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.Timer1 mS u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn MaxOffset HwDeg M f32	1073.03003
VehDyn_MinOffset_HwDeg_M_f32	198.149994
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79298687 ± 0.000009
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.119999997 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1
talget_velibyli_Pelit_SelisollessnwPos_HwDeg_t32.value	1000 I U. I

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.145 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	246.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000387000007
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.8000031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.100006 3.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
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	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000722000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000436000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1800001e-005 -1438.30005
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 Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1078.02197
VehDyn_MinOffset_HwDeg_M_f32	-490.026001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000464000012
VehDyn_SLPHwAuth_Uls_M_f32	0.637000024
VehDyn_SLPHwPos_HwDeg_M_f32	-132.229996
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	52.5
k_TravelXCDeadband_Uls_f32	22.9500008
k_TravelXCHwAuthority_Uls_f32	0.189349994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392
target_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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_Kte_inst_Ap_venDyn.venDyn_Peri_venicleSpeed_Kpn_r32 target_VehDyn_Peri_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	1900





Name	Input Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.063995
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
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.Timer1_mS_u32	1117112832
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
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.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-717.385986
VehDyn_MinOffset_HwDeg_M_f32	-490.026001
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7880936 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1443.80005 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	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
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000387999986
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
/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

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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	3174948759
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.35999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995
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
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 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_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.20000025e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.599976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrl.oSpd_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.Filter1Imitalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn_MaxOffset_HwDeg_M_f32	1083.01404
VehDyn_MinOffset_HwDeg_M_f32	-483.34201
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046499999
VehDyn_SLPHwAuth_Uls_M_f32	0.617999971
VehDyn_SLPHwPos_HwDeg_M_f32	-121.970001
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_LoSpdVDAuthority_Uls_f32	0
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-542.969971 1177.04504
target_VehDyn_Per1_LwE01_HwDeg_132.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	1100
target VehDyn Per1 RelHwPos HwDeg f32.value	-1900.52002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.900001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.100006
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
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_AutoCntrDetSpd_M_str.Timer2mittalized_cnt_igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392
Tono J ratio on an inopa_ini_oa. Timo i 1_inio_ao2	

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Name	Expected Value
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.35999 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995 ± 0.009
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.Timer1_mS_u32	1736795392
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.599976 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1177.04504
VehDyn_MinOffset_HwDeg_M_f32	-542.969971
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00023937 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.617999971 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-121.970001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.3600006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	125.300003
/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	29076
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000388999993
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	94.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.399994
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000725999998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.19995
/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

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Name	Input Value
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
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	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.21999968e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005
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_Igc	0
VehDyn_AutoCntrloSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc 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_UIs_f32	0.000465999998
VehDyn SLPHwAuth Uls M f32	0.598999977
VehDyn_SLPHwPos_HwDeg_M_f32	-111.709999
k_HiSpdVDAuthority_Uls_f32	0.233999997
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	20.8899994
k_TravelXCHwAuthority_UIs_f32	0.191799998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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 -536.710022
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 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	-1482
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target VehDyn Per1 VehicleSpeed Kph f32.value	398.145599
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	0 ± 0.000009
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.Timer1_mS_u32	3437401088
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.19995 ± 0.009
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.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009

VehDyn_Per1





Name	Expected 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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1171.47595
VehDyn_MinOffset_HwDeg_M_f32	-536.710022
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29330015 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.233999997 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.148 (Repeat Count = 1)	
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	32.0999985
ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	18.1000004
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	96.0999985
ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	32821
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000390000001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000928000023
'ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lqc	1
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lqc	1
ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.400002
/ehDyn_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	3589476708
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	3796740682
'ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.5
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000728000014
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.1001
'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 Igc	0
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	126.5
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	88.5
/ehDyn AutoCntrLoSpd M str.FiltPinTrg 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	2760420810
/ehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32	1078320779
ehDyn_AutoCntrLoSpd_M_str.Timer2_m3_u32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_dis_132	7.23999983e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.N_Uls_f32	1988.40002
/ehDyn_AutoChtrLoSpd_M_str.ReihwPosFilt2SV_hwDeg_str.Sv_dis_i32	0.000928000023

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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_HiSpdLearnt_Cnt_M_lgc	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_Uls_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
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	86.099985 19.860006
k_TravelXCDeadband_Uls_f32	0.193024993
k_TravelXCHwAuthority_UIs_f32 target DtrmnElapsedTime mS u32 ElapsedTime	463842816
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg 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_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	-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	-753.820007
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.599999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDvn AutoCntrDetSnd M atr Timer2 ms u22	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.limer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3796740682 -1988.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009 1440.88 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-1988.5 ± 0.009 1440.88 ± 0.009 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.5 ± 0.009 1440.88 ± 0.009 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776
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	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682
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	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 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.Filter1Initialized_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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009 1988.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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 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	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009 1988.40002 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009 1988.40002 ± 0.009 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.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1076320779 -753.5 ± 0.0009 1988.40002 ± 0.009 0 1 1
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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.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	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009 1988.40002 ± 0.009 0 1 1 1 1 0 1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_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	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009 1988.40002 ± 0.009 0 1 1 1 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009 1988.40002 ± 0.009 0 1 1 1 0 10 11 10 11 11
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.Filter2Enable_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.Filter1Sp.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.Filter2Initialized_Cnt_lgc	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009 1988.40002 ± 0.009 0 1 1 1 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776 1078320779 -753.5 ± 0.0009 1988.40002 ± 0.009 0 1 1 1 0 1 1 0 10 10 10



Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Fest Step 2.149 (Repeat Count = 1)	
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	604.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	124.5
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	40437
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000391000009
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1200.56006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00092999998
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	6.5999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.900015
/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	4004004657
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000730000029
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
/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 Igc	1
'ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.6999969
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.6999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.6999969
ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	16683
ehDyn_AutoCntrLoSpd_M_str.TimerThriesh_mS_u16	22497
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.25999998e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.R_Ols_i32	1991.30005
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	
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized Cnt_lgc	0
enDyn_AutoCntrLoSpd_M_str.Filter1initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
enDyn_AutoCntrLoSpd_M_str.Filter2initialized_Cnt_igc ehDyn_HiSpdLearnt_Cnt_M_lgc	1
7 - 1 - 2 - 20	1 1
/ehDyn_Initialize_Cnt_M_lgc	
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	1097.98999
/ehDyn_MinOffset_HwDeg_M_f32	-463.290009
ehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20000005 0.000468000013





Name	Input Value
VehDyn SLPHwAuth Uls M f32	0.56099999
VehDyn_SLPHwPos_HwDeg_M_f32	-91.1900024
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992
k_TravelXCDeadband_Uls_f32	18.8299999
k_TravelXCHwAuthority_Uls_f32	0.194250003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_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_Per1_CwEOT_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_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	-524.190002 1160.33801
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-8.8999962
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1253.87
target VehDyn Per1 RelHwPos HwDeg f32.value	456.269989
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006 ± 0.009
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.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	704.067993
VehDyn_MinOffset_HwDeg_M_f32	-463.290009
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.19427657 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.56099999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-91.1900024 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



Test Step 2.150 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000391999987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5 33198
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.09998
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000456000009
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.700012
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	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1102.98206
VehDyn_MinOffset_HwDeg_M_f32	-456.605988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468999991
VehDyn_SLPHwAuth_Uls_M_f32	0.541999996
VehDyn_SLPHwPos_HwDeg_M_f32	-80.9300003
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	54.5
k_TravelXCDeadband_Uls_f32	17.7999992
k_TravelXCHwAuthority_UIs_f32	0.195474997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408
target_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

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-517.929993
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1154.76904
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.869995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2500
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.440002
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 0.009
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.Timer1_mS_u32	1759885568
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
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.Timer1_mS_u32	1759885568
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1154.76904
VehDyn_MinOffset_HwDeg_M_f32	-517.929993
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40177107 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.541999996 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-80.9300003 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	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

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2 11 12 13 14 13 15 100001 16
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99995 8 900011 2 1 1 3 15 9 90001 6
8 200011 2 2 1 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
2 1 31 33 35 500001
2 1 31 33 35 500001
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Dyn_Per1_CcwEOT_HwDeg_f32
Dyn_Per1_CwEOT_HwDeg_f32
Dyn_Per1_HwTorque_HwNm_f32
Dyn_Per1_MotorVelCRF_MtrRadpS_f32
Dyn_Per1_RelHwPos_HwDeg_f32
Dyn_Per1_SensorlessAuthority_Uls_f32
Dyn_Per1_SensorlessHwPos_HwDeg_f32
Dvn Per1 TorqueCmdCRF MtrNm f32
Dyn_Per1_TorqueCmdCRF_MtrNm_f32 Dyn_Per1_VehicleSpeedValid_Cnt_loc
Dyn_Per1_VehicleSpeedValid_Cnt_Igc
Dyn_Per1_VehicleSpeedValid_Cnt_lgc Dyn_Per1_VehicleSpeed_Kph_f32
Dyn_Per1_VehicleSpeedValid_Cnt_lgc Dyn_Per1_VehicleSpeed_Kph_f32 3
Dyn_Per1_VehicleSpeedValid_Cnt_lgc Dyn_Per1_VehicleSpeed_Kph_f32
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Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2600.09009
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
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998 ± 0.009
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.Timer1_mS_u32	1662097408
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
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.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1149.19995
VehDyn_MinOffset_HwDeg_M_f32	-511.670013
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59202719 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.523000002 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-70.6699982 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.152 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000394000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
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	456.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.8000031
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
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 Igc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.31999971e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5
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
	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
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	-5.400001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007
VehDyn_SLPHwAuth_Uls_M_f32	0.504000008
VehDyn_SLPHwPos_HwDeg_M_f32	-60.4099998
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985
k TravelXCDeadband Uls f32	15.7399998
k_TravelXCHwAuthority_Uls_f32	0.197925001
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_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
taluet rue IIISt Ab velibyli, vendyn Pert Motorvelcke Mitragns 132	target VehDvn 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_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_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_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_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_RelHwPos_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_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_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_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_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_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_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_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004 Expected Value
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_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 VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004 Expected Value 0
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004 Expected Value
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004 Expected Value 0
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004 Expected Value 0 4243378688
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_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 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_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Rer1_VehicleSpeed_Kph_f32.value 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	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004 Expected Value 0 4243378688 3174948759
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_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_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004 Expected Value 0 4243378688 3174948759 1991.5 ± 0.009 -1988.5 ± 0.009
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadps_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_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 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.299999995 0 499.410004 Expected Value 0 4243378688 3174948759 1991.5 ± 0.009 -1988.5 ± 0.009 0
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 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	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -505.410004 1143.63098 -9.80000019 -835 -2500.04004 1.29999995 0 499.410004 Expected Value 0 4243378688 3174948759 1991.5 ± 0.009 -1988.5 ± 0.009





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
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_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	1994.63
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40206099 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.504000008 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-60.4099998 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
SetSystemTime mS u32(CurrentTime)	target 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
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	52.4000015
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	63.0999985
'ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	53970
ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	58869
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	0
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	219286216
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00039500001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.59998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983
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	159
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.1999969
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.6999969
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	2800.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000737999973
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000468000013
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0

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VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 412.799988 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 106.900002 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 10.8999996 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 12.8999996 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 13352 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 14442 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3589476708 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 0.000937999983 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.VehSpd_kph_f32 106.900002 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 10.8999996 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 12.8999996 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 13352 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 14442 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3589476708 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.FiltPinTrq_HwNm_f32 10.8999996 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 12.8999996 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 13352 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 14442 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3589476708 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.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 3589476708 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.Timer1Thresh_mS_u16 13352 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 14442 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3589476708 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.Timer2Thresh_mS_u16 14442 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3589476708 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.Timer1_mS_u32 3589476708 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.Timer2_mS_u32 2760420810 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2400.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 7.33999987e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.30005 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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.30005 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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000937999983 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc 1	
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.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1	
7 - 1 - 2 - 2	
VID ALOUE OLD LET OF THE OUT TO A COLUMN	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1	
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_UIs_f32	
VehDyn_PinTrqSV_M_str.K_Uls_f32	
VehDyn_SLPHwAuth_Uls_M_f32 0.485000014 VehDyn_SLPHwPos_HwDeg_M_f32 -50.1500015	
7 2 72 72 73	
k_HiSpdVDAuthority_Uls_f32 1	
k_SysKinRatio_MtrDegpHwDeg_f32 63.5	
k TravelXCDeadband Uls f32 14.71	
k_TraveIXCHwAuthority_Uls_f32 0.199149996	
target_DtrmnElapsedTime_mS_u32_ElapsedTime 4243378688	
target GetSystemTime mS u32 CurrentTime 2127166208	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32	T HwDea f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_MtrRadpS_f32 target_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwDeg_f32 target_VehDyn_Per1_RelHwDeg_f32 target_VehDyn_Per1_RelHwD	
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_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_VehicleS	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -499.149994	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1138.06201	
target_VehDyn_Per1_HwTorque_HwNm_f32.value -4.4000001	
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -456.359985	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -2400.07007	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 230	
Name Expected Value	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 219286216	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 2800.3999 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1991.59998 ± 0.009	
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.Timer1_mS_u32 2127166208	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 2800.19995 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1988.30005 ± 0.009	
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.Timer1_mS_u32 2127166208	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420810	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -2400.80005 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 ± 0.009	

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Name	Expected 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_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	1900.92004
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.49718106 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.485000014 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-50.1500015 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M lgc	0
/ehDyn_AilownispuAuloChtt_Cht_wi_gc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
· - · · · -	34.099985
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	12.1000004
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	88.099985
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000395999989
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00093999998
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1700001
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.7999992
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	-1438.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000739999989
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000472000014
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	10.3000002
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.300003
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	12.3000002
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	53.2999992
ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	21364
ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	52716
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	3796740682
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_dis_132	7.36000002e-005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.59998
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 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn LoSpdLearnt Cnt M Igc	
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_UIs_f32	0.000472999993
VehDyn_SLPHwAuth_Uls_M_f32	0.465999991
VehDyn_SLPHwPos_HwDeg_M_f32	-39.8899994
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031
k_TravelXCDeadband_Uls_f32	13.6800003
k_TravelXCHwAuthority_UIs_f32	0.200375006
target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime	1050692864 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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-492.890015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1132.49304
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2 1199
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2800.06006
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
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.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1024 -1438.5 ± 0.009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1988.30005 ± 0.009
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.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1
·	1
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VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1132.49304
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1132.49304 -492.890015
VehDyn_MaxOffset_HwDeg_M_f32	





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-39.8899994 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Гest Step 2.155 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	9.39999962
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.3999996
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	7034
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	36416
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	255468
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000396999996
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.R_0is_i32	2800.6001
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
/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
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.06999969
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000742000004
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000475999987
/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	56.0999985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.09998
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	86.099985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh mS_u16	33198
ehbyn_AutoChtrLoSpd_M_str.Timer1Thresh_mS_u16	7778
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.80005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.38000017e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1885.80005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	1127.94202
/ehDyn_MinOffset_HwDeg_M_f32	-423.186005
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000474

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Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.446999997
VehDyn_SLPHwPos_HwDeg_M_f32	-29.6299992
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-486.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1126.92395
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1299.41003
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.06995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.8999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.73999
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001 ± 0.009
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.Timer1_mS_u32	1050692864
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995 ± 0.009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1991.40002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0
VOID YEL AUTOCHTELLOOPE IN SELFERCELEDIE OUR IAC	
	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 1050692864
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
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	1 1050692864 3174948759
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	1 1050692864 3174948759 -1438.80005 ± 0.009
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	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 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	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 0 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 0 11 0 1126.92395
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_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 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 0 11 0 1126.92395 -486.630005
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 0 11 0 1126.92395

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1.
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1



Fest Step 2.156 (Repeat Count = 1)	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	533.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.4000015
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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	2967684784
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.600006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000398000004
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
/ehDyn_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	86.1999969
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.25
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.199997
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.40000032e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.600006
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	1132.93396
/ehDyn_MinOffset_HwDeg_M_f32	-416.502014
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475000008
/ehDyn_SLPHwAuth_Uls_M_f32	0.428000003
/ehDyn_SLPHwPos_HwDeg_M_f32	-19.3700008
x_HiSpdVDAuthority_UIs_f32	0
c_LoSpdVDAuthority_Uls_f32	1
c_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
C_TravelXCDeadband_Uls_f32	11.6199999
C_TravelXCHwAuthority_Uls_f32	0.202824995
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736
arget_GetSystemTime_mS_u32_CurrentTime	3039943680
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

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-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	753.640015
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	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3039943680
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.600006 ± 0.0009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.5 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	-1436.3 ± 0.009
7 - 7	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.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.25 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.40002 ± 0.009
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.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.600006 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	367.714996
VehDyn_MinOffset_HwDeg_M_f32	-416.502014
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7943077 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.428000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-19.3700008 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	4.1999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948759

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000399000011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.8000031 16.0300007
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 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	-1887.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1900.40002
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	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.41999975e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrloSpd_M_str.Filter1Enable_Cnt_lgc	0 1
VehDyn_AutoCntrloSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M lqc	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_UIs_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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992
k_TravelXCDeadband_Uls_f32	10.5900002
k_TravelXCHwAuthority_Uls_f32	0.204050004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
	target_VehDyn_Per1_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -474.109985
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -474.109985 1115.78601
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -474.109985 1115.78601 6.11999989
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -474.109985 1115.78601





Name	Input Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.450012
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.59998 ± 0.009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.40002 ± 0.009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1137.92603
VehDyn_MinOffset_HwDeg_M_f32	1514.70996
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.99383116 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.409000009 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-9.10999966 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	86.0999985
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	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.599976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00039999999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998
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_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985

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Name	Input Value
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	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
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
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4399999-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1482.59998
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
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
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_UIs_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000476999994
VehDyn_SLPHwAuth_Uls_M_f32	0.38999986
VehDyn_SLPHwPos_HwDeg_M_f32	1.14999998
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	9.56000042
k_TraveIXCHwAuthority_Uls_f32	0.205274999
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
target_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
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_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 target_VehDyn_Per1_VehicleSpeed_Kph_f32
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 arget VehDyn Per1 CcwEOT HwDeg f32.value	0 = 7 = = 1 = 1 =
	-467.850006
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1110.21704
arget_VehDyn_Per1_HwTorque_HwNm_f32.value	6.67999983
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4400024 1988.28003
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	4.900001
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	500
arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3382212733
, - ,	255468
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.599976 ± 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	1885.09998 ± 0.009
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.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	1885.09998 ± 0.009 0





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1750.50134 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
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.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.59998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1110.21704
VehDyn_MinOffset_HwDeg_M_f32	-467.850006
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30041265 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.389999986 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1.14999998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
DtrmnElapsedTime_mS_u32	1
GetSystemTime_mS_u32	2
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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	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
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.399994
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000400999998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
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	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	935.200012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492000021
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0

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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	66.5999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.59998
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.46000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005
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 HiSpdLearnt Cnt M Igc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1147.91003
VehDyn_MinOffset_HwDeg_M_f32	-396.450012
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000478000002
VehDyn_SLPHwAuth_Uls_M_f32	0.370999992
VehDyn_SLPHwPos_HwDeg_M_f32	11.4099998
	0
k_HiSpdVDAuthority_UIs_f32	
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992
k_TravelXCDeadband_Uls_f32	8.52999973
k_TravelXCHwAuthority_Uls_f32	0.206499994
target DtrmnElapsedTime mS u32 ElapsedTime	2728878080
target_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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 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	-461.589996
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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	1991.93994
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.399994 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432
	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32	935.200012 ± 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	-1482.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1482.5 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1482.5 ± 0.009 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	-1482.5 ± 0.009 0 0 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1482.5 ± 0.009 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	-1482.5 ± 0.009 0 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	-1482.5 ± 0.009 0 0 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	-1482.5 ± 0.009 0 0 0 1 109643620

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1104.64795
VehDyn_MinOffset_HwDeg_M_f32	-461.589996
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1961098 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.370999992 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	11.4099998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
VehDyn_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	3796740682
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.6001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000402000005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0500002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012
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	34.0999985
/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	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.59998

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Name	Input Value
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_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 14
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000479000009
VehDyn_SLPHwAuth_Uls_M_f32	0.000479000009
VehDyn SLPHwPos HwDeg M f32	21.6700001
k_HiSpdVDAuthority_Uls_f32	1
k LoSpdVDAuthority Uls f32	1
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_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	1987.75
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	4.9000001 1
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	4.900001 1 99.9639969
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	4.900001 1 99.9639969 Expected 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	4.900001 1 99.9639969 Expected Value 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	4.900001 1 99.9639969 Expected Value 1 3796740682
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009
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	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 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.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	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 2728878080
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 2728878080 2760420810
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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 2728878080 2760420810 -888.299988 ± 0.0009
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 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	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 2728878080 2760420810 -888.299988 ± 0.0009 -753.200012 ± 0.0009
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 2728878080 2760420810 -888.299988 ± 0.0009 -753.200012 ± 0.0009 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.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_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc	4.9000001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810 -888.299988 ± 0.0009 -753.200012 ± 0.0009 0 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Spd_M_str.Sidespalespalespalespalespalespalespalespal	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 2728878080 2760420810 -888.299988 ± 0.0009 0 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Spd_M_str.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.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	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 2728878080 2760420810 -888.29998 ± 0.009 0 1 1 1 1 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Spd_Ustr.Sv_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Spd_Ustr.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_AutoCntrHiSpd_M_str.Filter1Spl.did_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.332 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.332 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.332 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.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrDetSpd.M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrDetSpd.M_	4.900001 1 99.9639969 Expected Value 1 13796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810 -888.299988 ± 0.0009 0 1 1 1 0 1 1 0 164464918 54822322 -2000.40002 ± 0.009 -1900.59998 ± 0.009 1 0 0 1 1 1 1 0 0 1888.879998 ± 0.009 1 1 1 1 0 0 1888.871021 -888.671021 -889.765991
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.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.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 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_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_FinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_	4.900001 1 99.9639969 Expected Value 1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 0 1 1 1 2728878080 2760420810 -888.299988 ± 0.0009 0 1 1 1 0 0 1 1 1 1 1 0 0 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Spd_Ustr.Sv_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Spd_Ustr.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_AutoCntrHiSpd_M_str.Filter1Spl.did_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.332 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.332 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.332 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.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2DetSpl.Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrDetSpd.M_str.Filter1DetSpl.Cnt_lgc VehDyn_AutoCntrDetSpd.M_	4.900001 1 99.9639969 Expected Value 1 13796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810 -888.299988 ± 0.0009 0 1 1 1 0 1 1 0 164464918 54822322 -2000.40002 ± 0.009 -1900.59998 ± 0.009 1 0 0 1 1 1 1 0 0 1888.879998 ± 0.009 1 1 1 1 0 0 1888.871021 -888.671021 -889.765991



Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.600006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.599985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004 63.5999985
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53970
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
ehDyn AutoCntrDetSpd_M_str.Timer2 mS u32	3589476708
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000407000014
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1991.30005
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.300003
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.8000031
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5999985
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995
/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	3589476708
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
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	-383.082001
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
/ehDyn_SLPHwAuth_Uls_M_f32	0.333000004
ehDyn_SLPHwPos_HwDeg_M_f32	31.9300003

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Name	Input Value
k_HiSpdVDAuthority_Uls_f32	0.89999976
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-449.070007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1093.51001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.35999966
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2400.34009
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
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.Timer1_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-2400.6001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1157 90404
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404
VehDyn_MinOffset_HwDeg_M_f32	1951.27002
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50328505 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.89999976 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-412.140015 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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

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Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_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	604.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.099985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497 54822322
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.6001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403000013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000953999988
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	2.25
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.699997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.25
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
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	425.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000753999979
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000500000024
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	2.20000005
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.1999981
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	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.50000036e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000953999988
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1162.88599
VehDyn_MinOffset_HwDeg_M_f32	-376.39801
VehDyn_PinTrqSV_M_str.SV_Uls_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
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	56.099985
k_TravelXCDeadband_Uls_f32	5.4400006
k_TravelXCHwAuthority_Uls_f32	0.210174993 309385728
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728 824746752
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	
target_Rte_Inst_Ap_venDyn_VenDyn_Peri_CcwEOT_HwDeg_132 target_Rte_Inst_Ap_venDyn_VenDyn_Peri_CwEOT_HwDeg_132	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwDeg_r32 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
gg.,	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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	-442.809998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1087.94104
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.92000008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1253.14001
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	458.98999
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.6001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.59998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1087.94104
VehDyn_MinOffset_HwDeg_M_f32	-442.809998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.90007687 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.31400001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	42.1899986 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.163 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	554.200012
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
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000956000003
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	120.400002
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	116.5 4.400001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.25
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000755999994
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000503999996
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.599998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.6000004
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-1900.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.51999978e-005 -753.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	0.00956000003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt.lgc	1
VehDyn HiSpdLearnt Cnt M Igc	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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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 -436.549988
target_venDyn_Per1_CcwEO1_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-430.349988 1082.37195
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.47999954
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
	-1999.59998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1999.59998 -1.79999995





Name	Input Value
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127.450996
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009
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.Timer1_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009
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.Timer1_mS_u32	309385728
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.400024 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1082.37195
VehDyn_MinOffset_HwDeg_M_f32	-436.549988
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8978577 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1246.19995 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.164 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000407000014
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992

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Input Value
86
12258
36416
1024
54822322
2800.19995
0.000761999981
-1988.30005
0.000515999971
0
1
0
412.700012
106.699997
10.6999998
12.6999998
13352
14442
3589476708
2760420810
-2400.19995
7.58000024e-005
-1438.09998
0.000961999991
1
0
0
0
0
1
1
1172.87
-363.029999
1.5
0.000483999989
0.275999993 62.7099991
0
0.89999976
63.3199997
3.38000011
0.212624997
3304439296
824746752
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_TorqueCmdCRF_MtrNm_f32
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_VehDyn_Per1_VehicleSpeed_Kph_f32
-430.290009
1076.80298
-1.11000001
-456
-2400.04004 4.5000000
-4.5999999 0
0 230
Expected Value
1 2590476709
3589476708
219286216 2800.1001 ± 0.009
ZOUR 11811 ± 11111M
1991.09998 ± 0.009
1991.09998 ± 0.009 0
1991.09998 ± 0.009





Name	Expected Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1172.87
VehDyn_MinOffset_HwDeg_M_f32	1969.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.275999993 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	62.7099991 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000404999999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005
/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
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.59998
/ehDyn_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

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.799988
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
	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.5399993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1177.86206
VehDyn_MinOffset_HwDeg_M_f32	-369.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000482000003
	0.256999999
VehDyn_SLPHwAuth_UIs_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	72.9700012
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-2500.06006
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009
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.Timer1_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.59998 ± 0.009
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.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
· - · ·	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995 ± 0.009





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
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_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	2076.03003
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39797354 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.256999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	72.9700012 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name Same	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	600.200012
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.199969
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	41.200008
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	38868
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	4290967295
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg_str.SV Uls_f32	-2400.1001
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Dis_i32	0.000406000006
/ehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt13V_HwDeg_str.R_Dis_i32	1988.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Ehable_Cnt_igc	1
7 = 1 = 2 = 2	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
, _ ,	566.799988
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992 97
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	
/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	-2400.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	753.599976
/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	3382212733
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.56000009e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0

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News	Innut Value
Name VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	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
k HiSpdVDAuthority UIs f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k TravelXCDeadband Uls f32	1.32000005
k_TraveIXCHwAuthority_UIs_f32	0.215075001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
target_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_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	-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	2600.01001
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
	1-2400.1001 ± 0.009
	-2400.1001 ± 0.009 1988.09998 ± 0.009
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	1988.09998 ± 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	1988.09998 ± 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	1988.09998 ± 0.009 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	1988.09998 ± 0.009 1 1 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	1988.09998 ± 0.009 1 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	1988.09998 ± 0.009 1 1 1 0 2728878080
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	1988.09998 ± 0.009 1 1 1 0 2728878080 2160073393
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	1988.09998 ± 0.009 1 1 1 0 2728878080 2160073393 -2400.19995 ± 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	1988.09998 ± 0.009 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1988.09998 ± 0.009 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 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	1988.09998 ± 0.009 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1988.09998 ± 0.009 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	1988.09998 ± 0.009 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 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.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	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 ± 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.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	1988.09998 ± 0.009 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 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_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.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.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	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009 0 1
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009 0 1 1
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009 0 1 1 1
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156335 2600.19995 ± 0.009 2800.1001 ± 0.009 0 1 1 1 1 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.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.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_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.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	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009 0 1 1 1 1 1 1 1 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 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.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 VehDyn_LoSpdLearnt_Cnt_M_lgc	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009 0 1 1 1 1 1 0 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009 0 1 1 1 1 1 1 1 1 1 1065.66504
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.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.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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1988.09998 ± 0.009 1 1 1 1 0 2728878080 2160073393 -2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009 0 1 1 1 1 1 1 1 1 1 1 1065.66504 -417.769989



Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000407000014
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005
/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	2800.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
/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	3589476708
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	1187.84595
/ehDyn_MinOffset_HwDeg_M_f32	-383.190002
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
/ehDyn PinTrqSV M str.K Uls f32	0.000483999989

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	(14.11.70.10
Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.218999997
VehDyn_SLPHwPos_HwDeg_M_f32	93.4899979
k_HiSpdVDAuthority_UIs_f32	0
k LoSpdVDAuthority UIs f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-2400.6001
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 VehDun AlleutdiSedAuteCetz Cet M. Ice	Expected Value 0
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
, , – , – – – –	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
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
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1024
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	2800.30005 ± 0.009 -1988.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 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.Timer1_mS_u32	3589476708
VehDyn_AutoCntrl oSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn_AutoCntrl.oSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCatrl aSad M etr Eilter1Initialized Cat Ica	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1 1
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
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 1060.09595
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 1 0 1060.09595 -411.51001
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	0 1 1 0 1060.09595 -411.51001 1.49854183 ± 0.000009
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 1 0 1060.09595 -411.51001

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.168 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.099985
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	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	0.000407999993 -2400.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.399996
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	42.2999992
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_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	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	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.59999966e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998
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_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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031
k_TravelXCDeadband_Uls_f32	4.46000004
k_TravelXCHwAuthority_Uls_f32	0.217525005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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	-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	1199.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2800.3999
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
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.Timer1_mS_u32	309385728
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
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.Timer1_mS_u32	309385728
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1745.87305
VehDyn_MinOffset_HwDeg_M_f32	-389.910004
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000253 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.200000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	103.75 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.169 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_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	9.19999981	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.2000008	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812	

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Nama	Innut Value
Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000409
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000966000021
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	56.7000008
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.80000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.6000004
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	1950.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000766000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000523999974
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	56.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.61999981e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000966000021
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_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_Uls_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
k_HiSpdVDAuthority_UIs_f32	0
k LoSpdVDAuthority Uls f32	1
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 Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-1299
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.69995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.8999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
go ship fil_i or i_voliloloopecu valiu_oni_igo.value	•





Name	Input Value
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.69995 ± 0.009
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.Timer1_mS_u32	4164171008
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
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.Timer1_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995 ± 0.009
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_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	1039.70996
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7936239 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.180999994 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	114.010002 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.170 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_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	533.299988	
VehDyn_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	2967684784	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.100006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000410000008	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000967999978	
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	86.4400024	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.44000006	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.7999992	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437	

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Name		
Vastby_ Autochesisge_M_deriver_rest_rest_rest_rest_rest_rest_rest_re	Name	Input Value
ValDick_Autocrising M_ stringer_a Pis_222	VehDvn AutoCntrHiSpd M str.Timer2Thresh mS u16	·
ValDDP_ARDCHRESON_ASS Relieve/Services Value D2		
VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 122 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew Start V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Releteriew V. Indice yes V. U. 1, 232 VelDon, Autochmisting, M. yes Rel		
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Verby, Autocrists, M., at Perhamsters, V. Habberg, J. M. C. U. 192 Verby, Autocrists, M. at Piter Trainer, Cert, ge Verby, Autocrists, M. at Piter Trainer, Cert, ge Verby, Autocrists, M. at Piter Trainer, Cert, ge Verby, Autocrists, M. at Piter Trainer, Cert, ge Verby, Autocrists, M. at Piter Trainer, J. Verby, Autocrists, M		0.000768000027
VenDyn_Accontrisign_M_set_PrinterDate_Crit_pc VenDyn_Accontrisign_M_set_Pr	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.59998
VenDyn_AutoCell Sept_M_SF Filtrinates Cot ig	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000528000004
Vestbys, AutoChristings III, and First Trinsfand Circligs Vestbys, AutoChristings III, and Westbys Reads (12) Vestbys, AutoChristings III, and Westbys Reads (12) Vestbys, AutoChristings III, and Westbys Reads (12) Vestbys, AutoChristings III, and Westbys Reads (12) Vestbys, AutoChristings III, and Westbys Reads (12) Vestbys, AutoChristings III, and Timera III, and	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
Verbilby AutoContrology M. ser Enterhalizated Crit (po 1) Verbilby AutoCon	VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Iqc	1
Vestion_AutoContents_Col_M_ or Microsept_Col_M_ or Microsept_Col_M_ or Microsept_M_ or Micro		
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Vieling AuthOrticosign M. attimined These m. g. 16	VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
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Viction_Authoritic Ospin_M. ser Reinhoritisty Modeg, str.X_Uis_192	VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
Viction_Authoritic Ospin_M. ser Reinhoritisty Modeg, str.X_Uis_192	VehDyn AutoCntrLoSpd M str.Timer1 mS u32	4211268631
Verbity Autocint colog M, ser Rehlwing HISP, Moding, and XI List (12) Verbity Autocint colog M, ser Rehlwing HISP, Moding, and XI List (12) Verbity Autocint colog M, ser Rehlwing HISP, Moding, and XI List (12) Verbity Autocint colog M, ser Rehlwing HISP, Moding, and XI List (13) Verbity Autocint colog M, ser Rehlwing HISP, Moding, and XI List (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Filter Enable Cert, tip (13) Verbity Autocint colog M, ser Ser List (13) Verbity Autocint Cert, M, tip (13) Verbity Auto		
VehDyn, AubCortic Spg, M., sin ReiherPeril RSV, VehDorg, at K. Uls, 122 VehDyn, AubCortic Spg, M. sin ReiherPeril RSV, VehDorg, at K. Uls, 122 VehDyn, AubCortic Spg, M. sin ReiherPeril RSV, VehDorg, at K. Uls, 122 VehDyn, AubCortic Spg, M. sin ReiherPeril RSV, VehDorg, at K. Uls, 122 VehDyn, AubCortic Spg, M. sin Finter Emission Crit, 190 VehDyn, AubCortic RSpd, M. sin Finter Emission Cort, 190 VehDyn, AubCortic RSpd, M. sin Finter Emission Cort, 190 VehDyn, AubCortic RSpd, M. sin Finter Emission Cort, 190 VehDyn, HSpd, Emission, Cort, M. 190 VehDyn, HSpd, Emission, Cort, M. 190 VehDyn, HSpd, Emission, Cort, M. 190 VehDyn, HSpd, Emission, Cort, M. 190 VehDyn, HSpd, Emission, Cort, M. 190 VehDyn, HSpd, Mark, M. 190 VehDyn, HSpd, Mark, M. 190 VehDyn, HSpd, Mark, M. 190 VehDyn, HSpd, Mark, M. 190 VehDyn, HSpd, Mark, M. 190 VehDyn, HSpd, Mark, M. 190 VehDyn, HSpd, Mark, M. 190 VehDyn, HSpd, Mark, M. 190 VehDyn, HSpd, MSpd,		
VerDry, AutoCont. OSo M, six Rehlwhore IIRSV, HvRoe, six K Uis, 52 VerDry, AutoCont. OSo M, six Rehlwhore IIRSV, HvRoe, six K Uis, 52 VerDry, AutoCont. OSo M, six Rehlwhore IIRSV, HvRoe, six K Uis, 52 VerDry, AutoCont. OSo M, six Filter Intelace, Cort, 1go VerDry, AutoCont. OSo M, six Filter Intelace, Cort, 1go VerDry, AutoCont. OSo M, six Filter Intelace, Cort, 1go VerDry, AutoCont. OSo M, six Filter Intelace, Cort, 1go VerDry, Histor, Cort, M, 1go O VerDry, Histor, Cort, M, 1go O VerDry, Histor, Cort, M, 1go O VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe, M, 1gr. 2 VerDry, Mistor, HvRoe,		
VeiDry AubCorfus SSey M. striker Teniable Crit. 190		
Verbiny, Audochnic Sool, M. st. Filler Enable, Cni. Joc Verbiny, Audochnic Sool, M. st. Filler Initialized, Cni. Joc Verbiny, Audochnic Sool, M. st. Filler Initialized, Cni. Joc Verbiny, Audochnic Sool, M. st. Filler Initialized, Cni. Joc Verbiny, Filler Children, Cni. M. Joc Verbiny, Filler Children, Cni. M. Joc Verbiny, Filler Children, Cni. M. Joc Verbiny, Marchet, Hubeg, M. St. Verbiny, Marchet, Hubeg, M. St. Verbiny, Marchet, Hubeg, M. St. Verbiny, Philips, M. st. K. Us. Jo. Verbiny, Marchet, Hubeg, M. St. Verbiny, Philips, M. st. K. Us. Jo. Verbiny, Marchet, Hubeg, M. St. Verbiny, Philips, M. st. K. Us. Jo. Verbiny, Marchet, Hubeg, M. Jo. Verbiny, St. Philips, M. st. K. Us. Jo. Verbiny, St. Philips, M. st. K. Us. Jo. Verbiny, St. Philips, M. st. K. Us. Jo. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, St. Philips, M. St. Verbiny, Marchet, St. Verbiny, Marchet, St. Verbiny, Marchet, St. Verbiny		
VehDyn_AusContisSed M_strifferEnable_Crt_los	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000967999978
VehDyn_AusComisSed_M_str.FilerInitialized_Ont_ligo	VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AusComisSed_M_str.FilerInitialized_Ont_ligo	VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VerDyn_Halipse_Crit_M_lg		
VerDyn_InSpit_cent_Crit_M_lgc		
VerbDyn_Indiable_Crv_M_IgC		
VerbOy_MaxOffset_HwDeg_M_fis2		1
VerbDyn_MaxOffset_HhDeg_M_G2	, , , , , , , , , , , , , , , , , , , ,	
VerbDyn, PinTrqSV, M. etr. SV, Uis_132	VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_PinTrqSV_M_str.K_Uis_132	VehDyn_MaxOffset_HwDeg_M_f32	1202.82202
Verbyn, PinTrqSV, M. sirk, Ulis_132 Verbyn, SLPHwAuth, Ulis_M_132 Verbyn, SLPHwoth, Ulis_M_132 Verbyn, SLPHwoth, Ulis_M_132 Verbyn, SLPHwoth, Ulis_M_132 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, SLPHwoth, Ulis_M_232 Verbyn, Allow Hiller, SLPHwoth, SL	VehDyn_MinOffset_HwDeg_M_f32	-403.350006
VehDyn_SLPHWoB_H\000000000000000000000000000000000000	VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
VehDyn_SLPHWoB_H\000000000000000000000000000000000000		0.000487000012
VehDyn_SI-PHWPos_HwDos_MG32 124.269997 k_HSpAVDAuthorty_Us_152 1 k_SysKinRatio_MitDospHwDos_G32 32.4000015 k_SysKinRatio_MitDospHwDos_G32 7.5999999 k_TravetXCHWAuthority_Us_152 7.5999999 k_TravetXCHWAuthority_Us_152 0.219974995 target_Determine_ms_Us_22_ElapsedTime 3322480832 target_Rel_Inst_AD_VehDyn_VehDyn_Per1_CowEOT_HwDog_152 target_Rel_Inst_AD_VehDyn_VehDyn_Per1_CowEOT_HwDog_152 target_Rel_Inst_AD_VehDyn_VehDyn_Per1_HwTorque_HwMm_132 target_VehDyn_Per1_CowEOT_HwDog_152 target_Rel_Inst_AD_VehDyn_VehDyn_Per1_HwTorque_HwMm_132 target_VehDyn_Per1_MotorveiDyn_Per1_HwTorque_HwMm_132 target_Rel_Inst_AD_VehDyn_VehDyn_Per1_HymTorque_HwMm_132 target_VehDyn_Per1_MotorveiDyn_Per1_Mellog_152 target_Rel_Inst_AD_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_132 target_VehDyn_Per1_Mellog_152 target_Rel_Inst_AD_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_132 target_VehDyn_Per1_SensoriessAuthority_Uis_132 target_Rel_Inst_AD_VehDyn_VehDyn_Per1_VehicleSpeed/Vehi_Cnt_Ig target_VehDyn_Per1_SensoriessAuthority_Uis_132 target_VehDyn_Per1_VehicleSpeed/Vehi_Cnt_Ig target_VehDyn_Per1_VehicleSpeed/Vehi_Cnt_Ig target_VehDyn_Per1_Myn_Torue_HwDra_1222 target_VehDyn_Per1_VehicleSpeed/Vehi_Cnt_Ig		
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target_VehDyn_Per1_CwEOT_HwDeg_f32.value		
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 753.640015 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 Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AltoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 1438.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -147.365005 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 753.640015 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 Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitlSV_HwDeg_str.SV_UIs_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.SV_UIs_f32 -1438.19995 ± 0.009 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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 753.640015 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 8.19999981 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624	target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.76999998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 753.640015 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 8.19999981 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.365005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 8.19999981 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624	target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	753.640015
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 398.85199 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_ms_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624		
Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624	· · · · · · · · · · · · · · · · · · ·	
Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 456.100006 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1438.19995 ± 0.009 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_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624		·
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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624		1
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32		2967684784
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 437658624	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	
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_AutoCntrDetSpd_M_str.Timer1_mS_u32 437658624	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
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.Timer1_mS_u32 437658624	VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3796740682 456.100006 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 437658624	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	3796740682 456.100006 ± 0.0009 -1438.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_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	3796740682 456.100006 ± 0.0009 -1438.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 437658624	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	3796740682 456.100006 ± 0.0009 -1438.19995 ± 0.009 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	3796740682 456.100006 ± 0.0009 -1438.19995 ± 0.009 1 0
VehDyn AutoCntrHiSpd M str.Timer2 mS u32 1078320779	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	3796740682 456.100006 ± 0.0009 -1438.19995 ± 0.009 1 0
3 E	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	3796740682 456.100006 ± 0.0009 -1438.19995 ± 0.009 1 0 1

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Name	Expected Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.40002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.59998 ± 0.009
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.Timer1_mS_u32	437658624
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.330017 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.100006 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1043.38904
VehDyn_MinOffset_HwDeg_M_f32	-392.730011
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7905922 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1

Test Step 2.171 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	76.099985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
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	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000410999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.59998
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	86.5999985
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	-1887.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000769999984
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.90002
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
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0

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Input Value

VehDyn_Per1

Name



Name	input value
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
	36416
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.66000012e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000969999994
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	0
, , , , , , , , , , , , , , , , , , , ,	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	
VehDyn_MaxOffset_HwDeg_M_f32	1207.81396
VehDyn_MinOffset_HwDeg_M_f32	-410.070007
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000487999991
VehDyn SLPHwAuth Uls M f32	0.143000007
,	134.529999
VehDyn_SLPHwPos_HwDeg_M_f32	
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	52.7000008
k_TravelXCDeadband_Uls_f32	9.17000008
k TravelXCHwAuthority Uls f32	0.221200004
	71426560
target_DtrmnElapsedTime_mS_u32_ElapsedTime	
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-386.470001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1037.81995
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.88
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1988
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-8.39999962
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	0
	·
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.59998 ± 0.009
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 Igc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3941357312
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.90002 ± 0.009
	1900.90002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	
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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 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	0 0 1 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 1 0 1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 1 0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 1 0 1024
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 0 1 0 1024 3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 1 0 1024 3589476708 -1988.30005 ± 0.009

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Name	Expected Value
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1037.81995
VehDyn_MinOffset_HwDeg_M_f32	-386.470001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.9975791 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.143000007 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	134.529999 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	497.5
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	86.5
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	6.5
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	86.5
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	43128
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	3186
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3382212733
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753,099976
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000411999994
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000972000009
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.6999969
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	76.5999985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	38868
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
	274107514
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn AutoCntrHiSpd M str.Timer2 mS u32	2345892861
	-1753.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0.00077199999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1900.90002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	0.000536000007
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1 0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.30005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.68000027e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000972000009

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Name	Input Value
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_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_Uls_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-380.209991
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1032.25098
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.9900001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4100037
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.053986
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.099976 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995 ± 0.009
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.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3304439296
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988 ± 0.009
VEHIDAL MUTOCITICIDADA IN PRESENTADA ENTRE ENTRE INC. METERS PRESENTADO EN PRESENTADO	-1898.81555 ± 0.009
	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	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.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1 1 1
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	1 1 1 3304439296
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	1 1 1 3304439296 3796740682
VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32	1 1 1 3304439296 3796740682 1988.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 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.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009
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	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009
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	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 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_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.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	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 1 1 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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 1 0 1 0
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 1 0 -955.749023
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 1 0 -955.749023 -416.790009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 1 0 -955.749023



Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
DtrmnElapsedTime_mS_u32	1
GetSystemTime_mS_u32	1
DtrmnElapsedTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

and the control of th	
lame	Input Value
rtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
tetSystemTime_mS_u32(CurrentTime)	target_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	31.7999992
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.80000019
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.7999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000413000002
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.600006
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000974000024
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	66.9000015
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.599985
	12.8000002
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.7000008
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	935.299988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000774000015
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.80005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000539999979
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	126.400002
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	96.4000015
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	41632
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
	4004004657
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1991.30005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.699997e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000974000024
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	1217.79797
ehDyn MinOffset HwDeg M f32	-423.51001





Name Input Value VehDyn, PinTrqSV, M., str. SV, Uls. f32 15.199998 VehDyn, PinTrqSV, M., str. K., Uls. f32 0.000490000006 VehDyn, SLPHwPos, HwDeg, M. f32 155.050003 K, HISpdVDAuthority, Uls. f32 1 K, LoSpdVDAuthority, Uls. f32 1 K, LoSpdVDAuthority, Uls. f32 2 K, TavelxCDeadband, Uls. f32 123.00004 K, TravelXCHwAuthority, Uls. f32 123.00004 K, TravelXCHwAuthority, Uls. f32 223649994 Larget, DimnElapsedTime, mS_ u32, CurrentTime 2242866176 Larget, GetsystemTime, mS, u32, CurrentTime 2167769344 Larget, Rel. Inst. Ap, VehDyn. VehDyn. Perl _CwEOT_HwDeg, f32 target, VehDyn. Perl, LowEOT_HwDeg, f32 Larget, Rel. Inst. Ap, VehDyn. VehDyn. Perl _CwEOT_HwDeg, f32 target, VehDyn. Perl, LowEOT_HwDeg, f32 Larget, Rel. Inst. Ap, VehDyn. VehDyn. Perl, RelHwPos_HwDeg, f32 target, VehDyn. Perl, MeloryNetDyn. Perl, Melory Erl, SensoriessAuthority, Uls. f32 Larget, Rel. Inst. Ap, VehDyn. VehDyn. Perl _SensoriessAwthority, Uls. f32 target, VehDyn. Perl, SensoriessAwthority, Uls. f32 Larget, Rel. Inst. Ap, VehDyn. VehDyn. Perl _SensoriessAwthority, Uls. f32 target, VehDyn. Perl _SensoriessAwthority, Uls. f32 Larget, Rel. Inst	
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000490000006 VehDyn_SLPHwAuth_Uls_M_f32 0.104999997 VehDyn_SLPHwPos_HwDeg_M_f32 155.050003 k_HISpdVDAuthority_Uls_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SysKinRatio_MtrDegpHwDeg_f32 25.4500008 k_TravelXCDeadband_Uls_f32 12.3100004 k_TravelXCHwAuthority_Uls_f32 0.223649994 target_DtmmclapsedTime_mS_u32_ElapsedTime 2242866176 target_Rel_Inst_AD_VehDpv_Nebp_nert_CcwEOT_HwDeg_f32 target_VehDyn_Pert_CcwEOT_HwDeg_f32 target_Rel_Inst_AD_VehDyn_VehDpv_Pert_CcwEOT_HwDeg_f32 target_VehDyn_Pert_CcwEOT_HwDeg_f32 target_Rel_Inst_AD_VehDpvN.VehDpv_Pert_HwTorque_HwNm_f32 target_VehDpv_Pert_HwTorque_HwNm_f32 target_Rel_Inst_AD_VehDpvN.VehDpv_Pert_MotorVelCRF_MtrRadpS_f32 target_VehDpv_Pert_HwTorque_HwNm_f32 target_Rel_Inst_AD_VehDpvN.VehDpv_Pert_SensoriessAuthority_Uls_f32 target_VehDpv_Pert_MotorVelCRF_MtrRadpS_f32 target_Rel_Inst_AD_VehDpvN.VehDpv_Pert_SensoriessAuthority_Uls_f32 target_VehDpv_Pert_SensoriessAuthority_Uls_f32 target_Rel_Inst_AD_VehDpvN.VehDpv_Pert_SensoriessAuthority_Uls_f32 target_VehDpv_Pert_SensoriessAuthority_Uls_f32 target_Rel_Inst_AD_VehDpvN.VehDpv_Pert_TorqueCmdCRF_MtrNm_f32 target_VehDpv_Pert_Senso	
VehDyn_SLPHwAuth_Uls_M_f32 0.104999997 VehDyn_SLPHwPos_HwDeg_M_f32 155.050003 k_HISpdVDAuthority_Uls_f32 1 k_LoSpdVDAuthority_Uls_f32 25.4500008 k_SyskinRatio_MtrDegpHwDeg_f32 25.4500008 k_TravelXCDeadband_Uls_f32 12.3100004 k_TravelXCDeadband_Uls_f32 22.23649994 k_TravelXCHWAuthority_Uls_f32 0.223649994 target_DtmmclapsedTime_mS_u32_CurentTime 2167769344 target_RegetSystemTime_mS_u32_CurentTime 2167769344 target_Rel_nst_AQ_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rel_nst_AQ_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_LwEOT_HwDeg_f32 target_Rel_nst_AQ_VehDyn_VehDyn_Per1_MotorvelCRF_MirRadpS_f32 target_VehDyn_Per1_MotorvelCRF_MirRadpS_f32 target_Rel_nst_AQ_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rel_nst_AQ_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rel_nst_AQ_VehDyn_VehDyn_Per1_TorqueCmdCRF_MirMm_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rel_nst_AQ_VehDyn_VehDyn_Per1_TorqueCmdCRF_MirMm_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	
VehDyn_SLPhwPos_HwDeg_M[32 155.050003 k_HiSpdVDAuthority_Uls_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SysKinRatio_MtrDegpHwDeg_f32 25.4500008 k_TravelXCDeadband_Uls_f32 12.3100004 k_TravelXCDeadband_Uls_f32 0.223649994 target_DrmElapsedTime_mS_u32_CurrentTime 2242866176 target_GetSystemTime_mS_u32_CurrentTime 2167769344 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CowEOT_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_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32_value	
k_HiSpdVDAuthority_Uls_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SyskinRatio_MtrDegpHwDeg_f32 25.4500008 k_TravelXCDeadband_Uls_f32 12.3100004 k_TravelXCDeadband_Uls_f32 0.223649994 target_DtrnmElapsedTime_mS_u32_CurrentTime 2242866176 target_EdsystemTime_mS_u32_CurrentTime 2167769344 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_WoTorque_HwNm_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadps_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadps_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_Rell+WPos_HwDeg_f32 target_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_Rell+WPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_Ap-VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_VehDyn_Per1_VehicleSpeed/Kph_f32	
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target_DtrmnElapsedTime_mS_u32_ElapsedTime	
target_GetSystemTime_nS_u32_CurrentTime 2167769344 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRR_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1026.68201 target_VehDyn_Per1_HwTorque_HwNm_f32.value 1026.68201 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154 target_VehDyn_Per1_MotorVelCRF_MtrNm_f32.value 154 target_VehDyn_Per1_TorqueCmdCRR_MtrNm_f32.value 154 target_VehDyn_Per1_TorqueCmdCRR_MtrNm_f32.value 155 target_VehDyn_Per1_TorqueCmdCRR_MtrNm_f32.value 155 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 155 target_V	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_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_TorqueCmdCRF_MtrNm_f32.value 4.5 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 4.5 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Expected Value	
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_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_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_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrRadpS_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Expected Value	
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_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_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_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
target_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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 54 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 55 Name Expected Value	
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LwehOtorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
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_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_LhwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LhwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
target_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_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_LmvTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	
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 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1991.09998 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 Expected Value	
target_VehDyn_Per1_HwTorque_HwNm_f32.value -2.0999999 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1991.09998 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 Expected Value	
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1991.09998 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 Expected Value	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 75 Name Expected Value	
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 75 Name Expected Value	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 75 Name Expected Value	
Name Expected Value	
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VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3589476708	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 456.299988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 142.600006 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDvn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2503156835	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 935.299988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.80005 ± 0.009	
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.Timer1_mS_u32 109643620	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4004004657	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1991.30005 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1900.19995 ± 0.009	
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_AutoOptd_God_M_str.Filter2Initialized_Cnt_lgc 10 VehDyn_AutoOptd_God_M_str.Filter2Initialized_Cnt_lgc 10	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 VehDyn_HiSpdLearnt_Cnt_M_lqc 1	
7 - 1 - 2 - 2 - 2	
VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1	
VehDyn_MaxOffset_HwDeg_M_f32 -964.41803	
VehDyn_MinOffset_HwDeg_M_f32 -904.41003 VehDyn_MinOffset_HwDeg_M_f32 -423.51001	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	
target VehDyn Per1 SensorlessAuthority Uls f32.value 1±0.004	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value 1600 ± 0.1	

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1



Test Step 2.174 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_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	106.09998
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	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000414000009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995
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	78.699969
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	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000775999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988
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 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.71999985e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.30005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000975999981
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1222.79004
VehDyn_MinOffset_HwDeg_M_f32	-430.230011
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000491000013
VehDyn_SLPHwAuth_Uls_M_f32	0.0860000029
VehDyn_SLPHwPos_HwDeg_M_f32	165.309998
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.4499969
k_TravelXCDeadband_Uls_f32	13.8800001
k_TravelXCHwAuthority_Uls_f32	0.224875003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	1987
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target VehDyn Per1 VehicleSpeed Kph f32.value	99.4520035
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2500.5 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.19995 ± 0.009
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_lgc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3714197504
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988 ± 0.0009
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.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1021.11298
VehDyn_MinOffset_HwDeg_M_f32	-367.690002
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9920683 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0860000029 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	165.309998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	54822322

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VAIDUR AND CONTROLOGY M. STRANK-PART 1951 MADE S VAIDUR AND CONTROLOGY M. STRANK-PART SALES M. STRANK-PART SALES VAIDUR AND CONTROLOGY M. STRANK-PART	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
Visityin, Juscical Hospita, M. serial Herical Society (1965) (196	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005
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Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 0 Verbiny, AutoControlles(), M. as Filier Steines Circle; 2 Verbiny, AutoCon	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5
VenDry AutoCombission M. at PrinterStates Cott go	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000977999996
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VehDyn_AutComthSpd_M_strainer_ms_us_strainer_ms_u		
VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_52 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st SV_Us_53 VanDyn_AusConthiSpd_M_R relative/post IRSV_Noting_st X; Us_53 VanDyn_Noting_Noting_R Relative/post IRSV_Noting_R Relative/post IRSV_Noting_st X; Us_53 VanDyn_Noting_Noting_R Relative/post IRSV_Noting_st X; Us_53 VanDyn_Noting_Noting_R Relative_post IRSV_Noting_st X; Us_53 VanDyn_Noting_Noting_R Relative_pos		
VenDry AusContribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prelimbershitts VenDry Auscontribsign M. Prel		
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VehDyn_AutoCraftHSpd_M_str_Retrachage_Cru_pc		
VehDyn_AutContriSpd_M_str-FilerEnable_CnLlge		
VerbDyn_AutContrisSpd_M_str_BlezEnable_Cnt_lgc		
VerbDyn_AutoCrittiSpd_M_stributized_Coll_go		
VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbgd_Kph_S2 VerbDyn_AutoCriticSpd_M_stmVerbg_Kph_S2 VerbDyn_Hissilze_Crit_Mpc_Vph_S2 VerbDyn_Hissilze_Crit_Mp		
VerbDyn_AutoChitc.Sopi_M_str_NevQ_Mrsa_ngs_122		
Verbyn_AutoCriticSpd_M_str_FillPhirTq_Hwhin_52		0
VehDyn_AutoCnitLoSpd_M_str_FiliPrintHawIm_SI2	VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001
VehDyn_AutoCnitLoSpd_M_str.TimerThreah_mS_u16	VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.399994
VenDry_AutoCnitLoSpd_M_str_Timer1Thresh_mS_u16	VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.4000001
VehDyn_AutoCntrLoSpd_M_str.Timer2Threst_mS_u16	VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 218286216 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 1024 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.K_UIs_f32 7.74e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.K_UIs_f32 7.74e-005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.K_UIs_f32 0.000977999996 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFit12SV_HwDeg_str.K_UIS_f32 0.000977999996 VehDyn_AutoCntLoSpd_M_str.RelTerTable_Cnt.lgc 0 VehDyn_AutoCntLoSpd_M_str.RelTerTable_Cnt.lgc 0 VehDyn_AutoCntLoSpd_M_str.RelTerTable_Cnt.lgc 0 VehDyn_AutoCntLoSpd_M_str.RelTerTable_Cnt.lgc 1 VehDyn_LoSpd_Learn_Cnt_M_lgc 0 VehDyn_LoSpd_Learn_Cnt_M_lgc 0 VehDyn_LoSpd_Learn_Cnt_M_lgc 1 VehDyn_LoSpd_Learn_Cnt_M_lgc 1 VehDyn_MacOffset_HwDeg_M_f32 428.890012 VehDyn_MinOffset_HwDeg_M_f32 428.89012 VehDyn_NoTrapsV_M_str.K_UIs_f32 0.000492000021 VehDyn_SIPHwPos_HwDeg_M_f32 175.570007 K_HSpdVDAuthority_UIs_f32 1 K_DispdVDAuthority_UIs_f32 56.1300011 K_TraveKCCHAUthority	VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCnttLoSpd_M_str.Rinter2_mS_u32	VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCnttLoSpd_M_str.Timer2_mS_u32	VehDyn AutoCntrLoSpd M str.Timer1 mS u32	219286216
VehDyn_AutoCnitLoSpd_M_str. Reli+MPoSFiIITSV_HvDeg_str. K_Uls_f32 7.74e-005 VehDyn_AutoCnitLoSpd_M_str. Reli+MPoSFIIITSV_HvDeg_str. K_Uls_f32 7.74e-005 VehDyn_AutoCnitLoSpd_M_str. Reli+MPoSFIIIZSV_HvDeg_str. K_Uls_f32 0.000977999996 VehDyn_AutoCnitLoSpd_M_str. Reli+MPoSFIIIZSV_HvDeg_str. K_Uls_f32 0.000977999996 VehDyn_AutoCnitLoSpd_M_str. Filter Enable_Cnt_Ugc 0 VehDyn_AutoCnitLoSpd_M_str. Filter Enable_Cnt_Ugc 0 VehDyn_AutoCnitLoSpd_M_str. Filter Intellazized_Cnt_Ugc 0 VehDyn_AutoCnitLoSpd_M_str. Filter Intellazized_Cnt_Ulgc 1 VehDyn_AutoCnitLoSpd_M_str. Filter Intellazized_Cnt_Ulgc 0 VehDyn_LiSpdLearnC_nt_M_lgc 0 VehDyn_Intellazize_Cnt_M_lgc 1 VehDyn_Intellazize_Cnt_M_lgc 1 VehDyn_MaxOffset_HvDeg_M_f32 43e_955012 VehDyn_Mintellazized_Cnt_M_lgc 43e_955012 VehDyn_Str. HvDeg_M_f32 43e_955012 VehDyn_Str. HvDeg_M_f32 175.57007 VehDyn_Str. HvDeg_M_f32 175.570007 VehDyn_Str. HvDeg_M_f32 15.449998 VehDyn_Str. HvDeg_M_f32 56.1300011 Vendyn_Mintellazized_Cnit_M_fy_f32 56.1300011 <td></td> <td>1024</td>		1024
VehDyn_AutoCnitLoSpd_M_str.RelHwPosFit(SV_HwDeg_str.K_UIs_f32) -1482.19995 VehDyn_AutoCnitLoSpd_M_str.RelHwPosFit(SV_HwDeg_str.K_UIs_f32) -000977999996 VehDyn_AutoCnitLoSpd_M_str.RelHwPosFit(SV_HwDeg_str.K_UIs_f32) 0009779999996 VehDyn_AutoCnitLoSpd_M_str.Fitter(Enable_Cnt_Ugc) 0 VehDyn_AutoCnitLoSpd_M_str.Fitter(Enable_Cnt_Ugc) 0 VehDyn_AutoCnitLoSpd_M_str.Fitter(Enable_Cnt_Ugc) 0 VehDyn_AutoCnitLoSpd_M_str.Fitter(Enable_Cnt_Ugc) 0 VehDyn_AutoCnitLoSpd_M_str.Fitter(Enable_Cnt_Ugc) 0 VehDyn_AutoCnitLoSpd_M_str.Fitter(Enable_Cnt_Ugc) 0 VehDyn_LoSpdLearn(_Cnt_M_Ugc) 0 VehDyn_LoSpdLearn(_Cnt_M_Ugc) 1 VehDyn_LoSpdLearn(_Cnt_M_Ugc) 1 VehDyn_MinOffset_HwDeg_M_str.X_UIs_52 438.950012 VehDyn_MinOffset_HwDeg_M_str.X_UIs_52 0.00049200021 VehDyn_Str.Y_W_str.X_UIs_52 0.00049200021 VehDyn_Str.Y_W_str.X_UIs_52 0.000492000021 VehDyn_Str.Y_W_str.X_UIs_52 0.000492000021 VehDyn_Str.Y_W_str.X_UIS_52 0.000492000021 VehDyn_Str.Y_W_str.X_UIS_52 0.000492000021 VehDyn_Str.Y_W_str.X_UIS_52 0.000492000021	VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPoSFitI2SV_HwDeg_str.K_Uis_f32		
VehDyn_AutoCntrLoSpd_M_str.FileTable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.FileTable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.FiletZenable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.FiletZenable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.FiletZenable_Cnt_lgc 1 VehDyn_Institute_Cnt_M_lgc 0 VehDyn_Institute_Cnt_M_lgc 0 VehDyn_Institute_Cnt_M_lgc 1 VehDyn_MacOffset_HwDeg_M_f32 -1227.78198 VehDyn_MinOffset_HwDeg_M_f32 -1227.78198 VehDyn_MinOffset_HwDeg_M_f32 436.950012 VehDyn_PinTrqSV_M_str.V_Uls_f32 8.89999962 VehDyn_PinTrqSV_M_str.V_Uls_f32 0.000492000021 VehDyn_SLPHwAuth_Uls_M_f32 0.0070000017 VehDyn_SLPHWOs_HwDeg_M_f32 175.570007 k_LHSpdVDAuthority_Uls_f32 1 k_LOSpdVDAuthority_Uls_f32 1 k_TavekXCDeachand_Uls_f32 1 k_TravekXCDeachand_Uls_f32 1 k_TavekXCDeachand_Uls_f32 1 karget_DimmElapsedTime_mS_u32_ElapsedTime 353260288 karget_R_ls_ist_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEO		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialszd_Cnt_lgc 1 VehDyn_LoSpd_earnL_Cnt_M_lgc 0 VehDyn_LoSpd_earnL_Cnt_M_lgc 0 VehDyn_LoSpd_earnL_Cnt_M_lgc 1 VehDyn_LoSpd_earnL_Cnt_M_lgc 1 VehDyn_MaxOffset_HwDeg_M_fi32 -1227.78198 VehDyn_MaxOffset_HwDeg_M_fi32 436.950012 VehDyn_PinTrqSV_M_str.K_Uls_fi32 8.89999962 VehDyn_PinTrqSV_M_str.K_Uls_fi32 0.00492000021 VehDyn_SIPHwAuth_Uls_M_fi32 0.0070000017 VehDyn_SIPHwBos_HwDeg_M_fi32 175.570007 k_HSpdVDAuthority_Uls_fi32 0 k_LoSpdVDAuthority_Uls_fi32 0 k_LoSpdVDAuthority_Uls_fi32 0 k_LoSpdVDAuthority_Uls_fi32 0 k_Trave/KCDeadband_Uls_fi32 15.4499998 k_Trave/KCDeadband_Uls_fi32 15.4499998 k_Trave/KCDeadband_Uls_fi32 0 k_Trave/KDW-Authority_Uls_fi32 0 target_Rel_pist_fine_m_S_u32_ElapsedTime 3533260288 target_Re		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initalized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initalized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initalized_Cnt_lgc 1 VehDyn_LoSpdLeamt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpdLeamt_Cnt_M_lgc 1 VehDyn_MonOffset_HwDeg_M_f32 -1227.78198 VehDyn_MinOffset_HwDeg_M_f32 436.950012 VehDyn_PinTrqSV_M_str.K_Uls_f32 8.89999962 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.0049200021 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.0670000017 VehDyn_SLPHwDeg_HwDeg_M_f32 175.570007 VehDyn_SLPHwDeg_HwDeg_M_f32 1 V_LOSpdVDAuthority_Uls_f32 1 V_LOSpdVDAuthority_Uls_f32 1 V_LOSpdVDAuthority_Uls_f32 1 V_LOSpd_Vlage_M_f42 1.75.70007 VehDyn_SLPHwDeg_M_f32 1.75.70007 VehDyn_SLPHwDeg_M_f32 1.75.70007 VehDyn_SLPHwDeg_MB_f32 1 V_LOSpd_Vlage_MWDeg_f32 1 V_LOSpd_Vlage_MWDeg_f32 1 V_LOSpd_Vlage_MWDeg_f32 1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_HSpd_cam_Cnt_M_lgc 0 VehDyn_LoSpd_cam_Cnt_M_lgc 1 VehDyn_LoSpd_cam_Cnt_M_lgc 1 VehDyn_MnOffset_MvDeg_M_f32 -1227.78198 VehDyn_MinOffset_HwDeg_M_f32 -436.950012 VehDyn_PinTrqSV_M_str_K_UIs_f32 8.89999962 VehDyn_PinTrqSV_M_str_K_UIs_f32 0.000492000021 VehDyn_PinTrqSV_M_str_K_UIs_f32 0.00670000017 VehDyn_SLPHwAuth_UIs_M_f32 175.570007 VehDyn_SLPHwFos_HwDeg_M_f32 1 K_IBSpd/DAuthority_UIs_f32 1 K_Bigd/DAuthority_UIs_f32 56.1300011 K_TraveXCDeadband_UIs_f32 56.1300011 K_TraveXCHwAuthority_UIs_f32 0.226099998 K_TraveXCHwAuthority_UIs_f32 0.226099998 Larget_Rel_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 Larget_Rel_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 Larget_Rel_Inst_Ap_VehDyn_VehDyn_Per1_MotorQuE_HwMm_f32 target_VehDyn_Per1_MotorVeiCRF_Mitradps_f32 Larget_Rel_Inst_A		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cn_lgc 1 VehDyn_HiSpd_earm_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 0 VehDyn_LoSpd_earm_Cnt_M_lgc 1 VehDyn_MaxOffset_HwDeg_M_f32 -1227.78198 VehDyn_MinOffset_HwDeg_M_f32 -436.950012 VehDyn_PinTrqSV_M_str.Sv_Uls_f32 8.8999962 VehDyn_PinTrqSV_M_str.Sv_Uls_f32 0.000492000021 VehDyn_StPHwAuth_Uls_M_f32 0.0670000017 VehDyn_StPHwPos_HwDeg_M_f32 175.570007 k_HiSpdVDAuthority_Uls_f32 0 k_LoSpdVDAuthority_Uls_f32 1 k_LoSpdVDAuthority_Uls_f32 66.1300011 k_TravelXCDeadband_Uls_f32 15.4499998 k_TravelXCHwAuthority_Uls_f32 0.226099998 target_DtminEipssedTime_mS_u32_CurrentTime 3533260288 target_Rel_Inst_Ap_VehDyn_VehDyn_Perl_CoxEOT_HwDeg_f32 target_VehDyn_Perl_CoxEOT_HwDeg_f32 target_Rel_Inst_Ap_VehDyn.VehDyn_Perl_Morroque_HwNm_f32 target_VehDyn_Perl_Morroque_HwNm_f32 target_Rel_Inst_Ap_VehDyn.VehDyn_Perl_Morroque_HwNm_f32 target_VehDyn_Perl_Morroque_HwNm_f32 target_Rel_Inst_Ap_VehDyn.VehDyn_Perl_SensoriessAuthority_Uls_f32 target_VehDyn_Perl_RelHwPos_H		
VehDyn_HispdLeamt_Cnt_M_lgc 0 VehDyn_LotSpdLeamt_Cnt_M_lgc 1 VehDyn_LoSpdLeamt_Cnt_M_lgc 1 VehDyn_MxXOffset_HwDeg_M_f32 -1227.78198 VehDyn_MinOffset_HwDeg_M_f32 -436.950012 VehDyn_PinTrqSV_M_str_SV_Uls_f32 8.8999962 VehDyn_PinTrqSV_M_str_SV_Uls_f32 0.000492000021 VehDyn_SLPHwAuth_Uls_M_f32 0.007000017 VehDyn_SLPHwOs_HwDeg_M_f32 175.570007 k_HiSpdVDAuthority_Uls_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SysKinRatio_MtrDegpHwDeg_f32 56.1300011 k_TraveIXCDeadband_Uls_f32 15.4499998 k_TraveIXCHAuthority_Uls_f32 0.226099998 target_DitmnElapsedTime_mS_u32_CirentTime 3533260288 target_DitmnElapsedTime_mS_u32_CirentTime 353260288 target_Re_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Re_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Re_Inst_Ap_VehDyn.VehDyn_Per1_MortovelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_RelHwPos_HwDeg_		
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k_LoSpdVDAuthority_UIs_f32	VehDyn_SLPHwPos_HwDeg_M_f32	175.570007
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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_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1015.54401 -2.31999993		
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_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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 1015.54401 target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_LowEOT_HwDeg_f32.value target_VehDyn_Per1_LowEOT_HwDeg_f32.value -2.31999993		
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_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_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1015.54401 -2.31999993		
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_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_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1015.54401 -2.31999993		
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_LvehicleSpeed_Kph_f32 targe		
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LowEOT_HwDeg_f32.value target_VehDyn_Per1_LowEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_LowEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_LewEOT_HwDeg_f32.value target_VehDyn_Per1_LewEOT_HwDeg_f32.value target_VehDyn_Per1_LewEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 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_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 -361.429993		
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_LwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -361.429993 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1015.54401 target_VehDyn_Per1_HwTorque_HwNm_f32.value -2.31999993		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1015.54401 target_VehDyn_Per1_HwTorque_HwNm_f32.value -2.31999993		
target_VehDyn_Per1_HwTorque_HwNm_f32.value -2.31999993		
	· - · · - · -	
ternet VehDun Bord MeterVelCBE MtrBodnS f22 value		
	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1253
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 458.649994		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.9000001	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001





Name	Input Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5 ± 0.009
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.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988 ± 0.0009
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	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1015.54401
VehDyn_MinOffset_HwDeg_M_f32	-361.429993
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89454937 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0670000017 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	175.570007 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000415999995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995
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
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

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Name	Input Value
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	3174948759
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.69995
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
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	30404
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.76000015e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_i32	0.000980000012
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	54.1199989
k_TravelXCDeadband_Uls_f32	17.0200005
k_TravelXCHwAuthority_Uls_f32	0.227325007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
arget_GetSystemTime_mS_u32_CurrentTime	3941357312
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
rarget_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_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	-369.149994
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	1009.97498
arget_venDyn_rer1_cwco1_nwbeg_l32.value arget_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.43000007
arget_venDyn_Per1_nwTorque_nwNm_isz.value arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-2.45000007 -835
arget_VenDyn_Per1_MotorveiCkr_mtrkaops_t32.value arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-635 -1999
arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995 -1
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127
Name	Expected Value
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995 ± 0.009
venbyn_nateenabetepa_w_striken wir eer nabee_strice v_enb_teb	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
	1





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.5 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.69995 ± 0.009
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.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_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	1629.84998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8919325 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0480000004 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	185.830002 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	290.100006
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	106.099998
/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	13352
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	3277
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3796740682
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3174948759
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000417000003
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000982000027
/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	34.4000015
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.8000031
/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	2760420810
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000782000017
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000555999984
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0

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Name	Input Value
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	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.78000031e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1900.30005 0.000982000027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000982000027
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1237.76599
VehDyn_MinOffset_HwDeg_M_f32	-450.390015
VehDyn_PinTrqSV_M_str.SV_UIs_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_HwDog_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_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	-376.869995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1004.40601
target VehDyn Per1 HwTorque HwNm f32.value	-2.53999996
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-759.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1987.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.900001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9899979
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
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.Timer1_mS_u32	3304439296
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_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 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	0 1 3304439296
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-982.69397
VehDyn_MinOffset_HwDeg_M_f32	-450.390015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9918575 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0289999992 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	196.089996 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	604.700012
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	116.699997
VehDyn AutoCntrDetSpd M str.FiltPinTrg 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	54822322
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600.5
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000418000011
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.30005
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000984000042
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	2.53999996
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	106.599998
VehDyn AutoCntrHiSpd M str.FiltPinTrg 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	425.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	456.899994
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	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.40002
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.79999973e-005





Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5
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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	
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_UIs_f32	0.000494999986
VehDyn_SLPHwAuth_Uls_M_f32	0.0099999978
VehDyn_SLPHwPos_HwDeg_M_f32	206.350006
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32 k TravelXCDeadband Uls f32	56.2999992 20.1599998
k_TravelXCHwAuthority_Uls_f32	0.229774997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	2167769344
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-384.589996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	998.836975 -2.6500001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1253
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	458.890015
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0
VehDyn AutoCntrDetSpd_M_str.Filter1mittalized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2167769344
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.899994 ± 0.0009
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.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	1900.40002 ± 0.009 -1482.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1482.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	998.836975
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	998.836975 -384.589996
VehDyn_MaxOffset_HwDeg_M_f32	998.836975





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1.99000001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

lomo	Innut Value
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	554.700012
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.699997
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.699998
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.699969
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000418999989
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.1001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000986000057
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120.599998
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.5
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00078599999
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.8999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000563999987
/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	120
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.81999988e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000986000057
/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_HiSpdLearnt_Cnt_M_lgc	0
ehDyn Initialize Cnt M lgc	0
/ehDyn_LoSpdLearnt Cnt M lqc	0
/ehDyn_MaxOffset_HwDeg_M_f32	-1247.75
/ehDyn_MinOffset_HwDeg_M_f32	-463.829987
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000495999993





Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.0189999994
VehDyn_SLPHwPos_HwDeg_M_f32	216.610001
k HiSpdVDAuthority Uls f32	0
k LoSpdVDAuthority UIs f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-1999
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.1001 ± 0.009
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.Timer1_mS_u32	3714197504
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.8999 ± 0.009
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.Timer1_mS_u32	3714197504
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	993.268005
VehDyn_MinOffset_HwDeg_M_f32	
	-392.309998
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8917198 ± 0.00009
VehDyn_PinTrqSV_M_str.SV_UIs_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 ChecknointReached	1



Fest Step 2.180 (Repeat Count = 1)	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_Dtrime_ins_us2_Erapseumine target_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M lgc	1
/ehDyn_AllownispuAutoGnti_Gnt_wi_gc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	10.1000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.099985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3174948759
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000419999997
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000987999956
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.099985
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.099985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78
/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	2760420810
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000788000005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.900024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000568000018
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.7000008
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.600006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.7000008
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.84000003e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000987999956
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	1252.74194
/ehDyn_MinOffset_HwDeg_M_f32	-470.549988
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	14
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000497000001
/ehDyn_SLPHwAuth_Uls_M_f32	0.0280000009
/ehDyn_SLPHwPos_HwDeg_M_f32	226.869995
x_HiSpdVDAuthority_Uls_f32	0
c_LoSpdVDAuthority_Uls_f32	1
c_SysKinRatio_MtrDegpHwDeg_f32	86.3099976
c_TraveIXCDeadband_Uls_f32	23.2999992
c_TraveIXCHwAuthority_UIs_f32	0.232225001
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
arget_GetSystemTime_mS_u32_CurrentTime	0
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 arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-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	1987.19995
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9869995
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.30005 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
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.Timer1 mS u32	0
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2760420810
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-888.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.900024 ± 0.0009
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 Igc	1
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2000.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	-999.500977
VehDyn_MinOffset_HwDeg_M_f32	-470.549988
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9916439 ± 0.00009
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.0280000009 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	226.869995 ± 0.1
gs	

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	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

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000421000004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
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	425.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988
	0.00057199999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000571999999 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
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	7.69999981
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	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.86000019e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000989999971
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn HiSpdLearnt Cnt M Igc	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
	-4/7.209969 8.89999962
VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32	
	0.000498000009
VehDyn_SLPHwRos_HwDog_M_f32	0.0370000005
VehDyn_SLPHwPos_HwDeg_M_f32	237.130005
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	56.2099991
k_TravelXCDeadband_Uls_f32	24.8700008
k_TravelXCHwAuthority_Uls_f32	0.233449996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_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_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDvn Per1 VehicleSpeedValid Cnt lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Koh_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_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -407.75
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





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	458.839996
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988 ± 0.0009
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.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	523.289978
VehDyn_MinOffset_HwDeg_M_f32	-477.269989
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89415359 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	2.03999996 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

T4 04 0 400 (D4 04)	
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_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
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000422000012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000991999987
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	116.099998

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791999977
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.80005
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 Igc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.6999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	30349
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	-1900.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.88000034e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.099976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000991999987
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1
, , _ ,	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	1262.72595
VehDyn_MinOffset_HwDeg_M_f32	-483.98999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000499000016
VehDyn_SLPHwAuth_Uls_M_f32	0.0460000001
VehDyn_SLPHwPos_HwDeg_M_f32	247.389999
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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	255468
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	
	target_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_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_HwTorque_HwNm_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_HwTorque_HwNm_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_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_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_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_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_TorqueCmdCRF_MtrNm_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_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_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_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_TorqueCmdCRF_MtrNm_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_TorqueCmdCRF_MtrNm_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_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_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
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_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_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_HwTorque_HwNm_f32 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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	target_VehDyn_Per1_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.79999995
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.799999995 1 1127
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_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_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_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.799999995 1 127 Expected Value
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.79999995 1 127 Expected Value 1
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 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	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.799999995 1 127 Expected Value
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.79999995 1 127 Expected Value 1
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_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_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_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.79999995 1 127 Expected Value 1 2345892861
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_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_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	target_VehDyn_Per1_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.79999995 1 127 Expected Value 1 2345892861 1024
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 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_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 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_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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.79999995 1 127 Expected Value 1 2345892861 1024 -2400.3999 ± 0.009 -2500.30005 ± 0.009
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -3.08999991 -1.79999995 1 127 Expected Value 1 2345892861 1024 -2400.3999 ± 0.009 -2500.30005 ± 0.009 1
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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value target_VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 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_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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -415.470001 976.560974 -3.08999991 -835 -1999 -1.79999995 1 127 Expected Value 1 2345892861 1024 -2400.3999 ± 0.009 -2500.30005 ± 0.009

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Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	255468
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.80005 ± 0.009
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.Timer1_mS_u32	255468
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.099976 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	976.560974
VehDyn_MinOffset_HwDeg_M_f32	-415.470001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8915052 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0460000001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	247.389999 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.82000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
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_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	126
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1399994
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	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000391999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.800003
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	2.7999995
	42.7999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1267.71802
VehDyn_MinOffset_HwDeg_M_f32	-490.709991
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452999986
VehDyn_SLPHwAuth_Uls_M_f32	0.0549999997
VehDyn_SLPHwPos_HwDeg_M_f32	257.649994
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	28.0100002
	0.2359
k_TraveIXCHwAuthority_UIs_f32	
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target_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_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	-423.190002
target VehDyn Per1 CwEOT HwDeg f32.value	360
target VehDyn Per1 HwTorque HwNm f32.value	-3.20000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	200.257996
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
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4243378688
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2500 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
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.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5 ± 0.009
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
. 55 / tatoonar nopa_m_sa.r ntcremmanzed_ont_igo	4004004657
VehDvn_AutoCntrl oSpd_M_str_Timer1_mS_u32	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835

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VehDyn_Per1



Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	360
VehDyn_MinOffset_HwDeg_M_f32	-423.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29571724 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0549999997 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	257.649994 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	457.299988
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	176.300003
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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	2138628886
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	54822322
'ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600.3999
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.82999997e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.30005
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000902
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	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	32.099985
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	-2000.5
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00070199999
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.5
/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_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	621.400024
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	166.399994
ehDyn AutoCntrLoSpd M str.FiltPinTrq 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.Timer1Thresh_mS_u16	27074
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV HwDeg_str.SV Uls_f32	148.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.98000003e-005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	1272.70996
VehDyn_MinOffset_HwDeg_M_f32	-497.429993
VehDyn PinTrgSV M str.SV Uls f32	15.1999998
VehDyn PinTrgSV M str.K Uls f32	0.000453999994
VehDyn SLPHwAuth Uls M f32	0.064000003
VehDyn_SLPHwPos_HwDeg_M_f32	267.910004
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	52.2000008
k_TravelXCDeadband_Uls_f32	29.5799999
k_TravelXCHwAuthority_UIs_f32	0.237124994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_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_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	-430.910004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.30999994 -1253
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2000
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
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.Timer1_mS_u32	1050692864
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
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.Timer1_mS_u32	1050692864
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
Making Automated and Mark Ethical St. Co. 11	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 0
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 0 1272.70996
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 0

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Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	267.910004 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.399994
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
, =	29729
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33804
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
'ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.8399986e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
/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	662
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146.100006
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00039999999
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	662.099976
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.139999
'ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	6.0999999
'ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	53.099985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
rehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.0000019e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_dis_i32	0.000904000015
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn MaxOffset HwDeg M f32	1277.70203





Name	Input Value
VehDyn_PinTrqSV_M_str.SV_Uls_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-438.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 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	1900.40002
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
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.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002 ± 0.009
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.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrl_oSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MayOffset_HwDeq_M_f32	-485.149994
VehDyn_MaxOffset_HwDag_M_f32	-485.149994 -504.149994
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	-504.149994 13.9921236 ± 0.00009
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.238350004 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1396.25 ± 0.1
g jn_, c. 1_conconcon cc_1 mbcg_lot.value	

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1



Test Step 2.186 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target 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	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2880.21997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.85000021e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.69995
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_UIs_f32	-1900.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000706000021
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.599976
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	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 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	86.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1885.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.02000034e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998
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_lgc	1
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_UIs_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
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	63.0139999
k_TravelXCDeadband_Uls_f32	32.7200012
k_TravelXCHwAuthority_Uls_f32	0.239574999
	1117112832
target_DtrmnElapsedTime_mS_u32_ElapsedTime	11111202
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	1316564736 target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_GetSystemTime_mS_u32_CurrentTime	1316564736

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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 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 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
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	-1900
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	-2880.21997 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.69995 ± 0.009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.599976 ± 0.0009
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.Timer1_mS_u32	1316564736
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.5 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	987.698975
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79478073 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0820000023 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	288.429993 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.187 (Repeat Count = 1)		
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_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	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2880.21997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.86000011e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.699997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	19.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25.6000004
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000707999978
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994
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	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.03999976e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	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 HiSpdLearnt Cnt M Igc	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 PinTrgSV M str.K Uls f32	0.000456999987
VehDyn_SLPHwAuth_Uls_M_f32	0.0909999982
VehDyn_SLPHwPos_HwDeg_M_f32	298.690002
k HiSpdVDAuthority UIs f32	0.99000001
k LoSpdVDAuthority Uls f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	88.8700027
k_TravelXCDeadband_Uls_f32	34.2900009
k_TravelXCHwAuthority_Uls_f32	0.240799993
target DtrmnElapsedTime mS u32 ElapsedTime	1736795392
target 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
g	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target Rte Inst Ap VehDvn.VehDvn 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 VehDvn Per1 SensorlessAuthority Uls f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_UIs_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_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_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_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_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_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1482.09998
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
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2880.21997 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
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.Timer1_mS_u32	2075080192
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994 ± 0.0009
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.Timer1_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	982.130005
VehDyn_MinOffset_HwDeg_M_f32	-360
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.19688082 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.99000001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.188 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	328928812
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	3.87e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
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	86.9000015
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	176

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2138628886
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00070999993
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000411999994
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
	45.2000008
VehDyn_AutoCntrloSpd_M_str.CntrWindow_HwDeg_f32	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.05999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1292.67798
VehDyn_MinOffset_HwDeg_M_f32	-524.309998
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000457999995
VehDyn_SLPHwAuth_Uls_M_f32	0.100000001
VehDyn_SLPHwPos_HwDeg_M_f32	308.950012
k_HiSpdVDAuthority_Uls_f32	0.889999986
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	75.8700027
k TravelXCDeadband Uls f32	35.8600006
k_TravelXCHwAuthority_Uls_f32	0.242025003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
target_GetSystemTime_mS_u32_CurrentTime	954802432
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CowEOT_HwDeg_f32
· · · · · · · · · · · · · · · · · · ·	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_UIs_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_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	-1242.25
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	976.560974
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.75
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1199
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753.650024
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	Expected Value
Name	Expected Value
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 328928812
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 328928812 1024
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	1 328928812 1024 0 ± 0.000009
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	1 328928812 1024 0±0.000009 -1438.69995±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	1 328928812 1024 0 ± 0.000009 -1438.69995 ± 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	1 328928812 1024 0 ± 0.000009 -1438.69995 ± 0.009

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Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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.Timer1_mS_u32	954802432
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.59998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1292.67798
VehDyn_MinOffset_HwDeg_M_f32	-488.600006
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39921045 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.100000001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	308.950012 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	96.0999985
/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	53759
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.87999989e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000912000018
/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	44.0999985
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.600006
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.2099991
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000712000008
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000415999995
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.2000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
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	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.599976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.08000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1297.67004
VehDyn_MinOffset_HwDeg_M_f32	-531.030029
VehDyn_PinTrqSV_M_str.SV_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
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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 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	-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	-1299.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.450012
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	164464918
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	328928812
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1440.88 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5 ± 0.0009
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.Timer1_mS_u32	2728878080
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-753.299906 ± 0.0009
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.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
venbyn_Autoonii.coopu_ivi_sii.Tiilietz_iiio_uoz	0100170002





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.599976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	970.992004
VehDyn_MinOffset_HwDeg_M_f32	-423.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59471798 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1209.75 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.600006
/ehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32	106.599998
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32	12.6000004
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	13352
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13059
, - ,	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216 383750110
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.8899979e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.69995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	
/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	96.599985
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.699997
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.60000038
/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	2345892861
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000714000023
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988
/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	96.3000031
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.300003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.599976
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.10000022e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
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_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn MaxOffset HwDeg M f32	1302.66199
VehDyn_MinOffset_HwDeg_M_f32	-537.75
VehDyn_PinTrqSV_M_str.SV_Uls_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
k_HiSpdVDAuthority_Uls_f32	0.340000004
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	86.6999969
k_TravelXCDeadband_Uls_f32	39
k_TraveIXCHwAuthority_UIs_f32	0.244475007
target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime	463842816 824746752
target_GetSystem i ime_ms_usz_current i ime target_Rte_inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VenDyn_Per1_CcweO1_nwbeg_i32
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_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	-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	-2500
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-4.900001 0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.2200012
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.69995 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005 ± 0.009 456.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	450.299960 ± 0.0009
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 Igc	1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.599976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 0 1302.66199
VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0





Nome	Expected Value
Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	329.470001 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

est Step 2.191 (Repeat Count = 1)	Input Value
htmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
tetSystemTime_mS_u32(CurrentTime)	target_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	9.5
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	274107514
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.69995
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 Igc	1
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	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	85.5999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2553156835
· - · ·	2760420810
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002
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	328928812
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	425.600006
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.6001
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
	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc ehDyn MaxOffset HwDeg M f32	1
	-2840

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Name	Input Value
VehDyn_PinTrqSV_M_str.SV_Uls_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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	40.5699997
k_TraveIXCHwAuthority_Uls_f32	0.245700002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_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_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	959.854004
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.07999992
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	88.099985
target VehDyn Per1 RelHwPos HwDeg f32.value	2600.63989
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.69995 ± 0.009
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_AutoCntrbetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600,19995 ± 0.009
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.40002 ± 0.009
	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
	328928812
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	42.11200031 425.600006 ± 0.0009
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.6001 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	-2400.5001 ± 0.009
VehDyn AutoCntrLoSpd M str.Filter1Enable_Cnt_lgc VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt_lgc	0
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 HiSpdLearnt Cnt M lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-544.469971 4.6044533 + 0.00000
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.6011523 ± 0.000009
torget Veh Dun Dord Conserless Authority III- 600	0.427000004 + 0.004
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0.127000004 ± 0.004 339.730011 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn 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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.099999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.099985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.6001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005
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	124.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216.539993
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000717999996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.099976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.5
VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32	16.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	39056
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.69995
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.1399998e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV 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_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
k_HiSpdVDAuthority_UIs_f32	0.670000017
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	32.5400009
k_TravelXCDeadband_Uls_f32	42.1399994
k_TravelXCHwAuthority_UIs_f32	0.246924996
target DtrmnElapsedTime mS u32 ElapsedTime	1662097408
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target_GetSystemTime_mS_u32_CurrentTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_GetSystemTime_mS_u32_CurrentTime	

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	-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	-2000
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
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2400.19995 ± 0.009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2500.6001 ± 0.009
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_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.099976 ± 0.0009
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.Timer1_mS_u32	4164171008
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.69995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
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_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	1553.65002
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.794982 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.136000007 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	349.98999 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn Per1 CP1 CheckpointReached	1

Test Step 2.193 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.87999989e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092000002
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	126.599998
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	42.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.5999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000720000011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
	0.000432000001
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	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
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	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.15999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998
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 Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn MaxOffset HwDeg M f32	1425.25
VehDyn_MinOffset_HwDeg_M_f32	-557.909973
	-557.909973 7.80000019
VehDyn_PinTrqSV_M_str.SV_UIs_f32	
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000463000004
VehDyn_SLPHwAuth_Uls_M_f32	0.144999996
VehDyn_SLPHwPos_HwDeg_M_f32	360.25
k_HiSpdVDAuthority_UIs_f32	0.119999997
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.6399994
k_TravelXCDeadband_Uls_f32	43.7099991
k_TravelXCHwAuthority_UIs_f32	0.248150006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	437658624
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	
	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_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_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_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_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -454.070007
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_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_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753.349976
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.69995 ± 0.009
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.Timer1_mS_u32	437658624
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
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.Timer1_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.700012 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1425.25
VehDyn_MinOffset_HwDeg_M_f32	299.279999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79442215 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.119999997 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_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_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	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000387000007
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
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

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Name ValDus AutoCatal liCad M ats FiliDisTee Liveline 522	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.400001 32.599985
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53970
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000722000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000436000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1800001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
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 HiSpdLearnt Cnt M Igc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_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
k HiSpdVDAuthority Uls f32	0.75999999
k LoSpdVDAuthority Uls f32	1
	52.5400009
k_SysKinRatio_MtrDegpHwDeg_f32	45.2799988
k_TraveIXCDeadband_Uls_f32	0.249375001
k_TraveIXCHwAuthority_UIs_f32	
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-461.790009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	943.146973
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.40999985
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.009995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1900
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
	-3200 ± 0.009
VehDyn AutoCntrDetSnd M etr Eilter1Enable Cnt Ico	LV.
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	0

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Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.01001 ± 0.0009
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.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.69995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5 ± 0.009
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_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	17.7896194 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1444 ± 0.1

Test Step Call Trace	
Expected Function	Coun
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	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	2138628886
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000387999986
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1.
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.6500015
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.580002
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.64999998
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.52002
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

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Name	Input Value
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	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1900.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.20000025e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.599976
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	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_UIs_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
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_LoSpdVDAuthority_UIs_f32	0
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_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_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
target VehDyn Per1 CwEOT HwDeg f32.value	937.578003
target VehDyn Per1 HwTorque HwNm f32.value	-4.5199998
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.73999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.06995
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
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.Timer1_mS_u32	3304439296
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.52002 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.69995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.599976 ± 0.0009





Name	Expected 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_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_UIs_f32	-6.99862003 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.163000003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	380.769989 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	31.2000008
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	125.199997
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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	2345892861
'ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3589476708
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753.099976
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000388999993
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	0
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000926000008
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
'ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	94.5999985
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246
/ehDyn AutoCntrHiSpd M str.FiltPinTrg 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	3589476708
'ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753,200012
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000725999998
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600.19995
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000444000005
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	94.3000031
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.5
ehDyn AutoCntrLoSpd M str.FiltPinTrg 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.Timer1Thresh_mS_u16	30349
/ehDyn_AutoCntrLoSpd_M_str.Timer2+filesri_fils_u16	2553156835
/ehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32	4290967295
/ehDyn_AutoCntrLoSpd_w_str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.69995
/ehDyn_AutoCntrLoSpd_w_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.21999968e-005



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1294.34998
VehDyn_MinOffset_HwDeg_M_f32	-1242.25
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000465999998
VehDyn_SLPHwAuth_Uls_M_f32	0.172000006
VehDyn_SLPHwPos_HwDeg_M_f32	391.029999
k_HiSpdVDAuthority_UIs_f32	0.233999997
k_LoSpdVDAuthority_UIs_f32	1 25.5499992
k_SysKinRatio_MtrDegpHwDeg_f32 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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-1482
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.880005
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	0 ± 0.000009
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.Timer1_mS_u32	2167769344
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012 ± 0.0009 2600.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	2000.19995 ± 0.009
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.Timer1_mS_u32	2553156835
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.69995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5 ± 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	-1988.5 ± 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 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	-1988.5 ± 0.009 1 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-1988.5 ± 0.009 1 0 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.5 ± 0.009 1 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-1988.5 ± 0.009 1 0 0 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	-1988.5 ± 0.009 1 0 0 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	-1988.5 ± 0.009 1 0 0 1 1 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-1988.5 ± 0.009 1 0 0 1 1 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-1988.5 ± 0.009 1 0 0 1 1 1 1 1 -1294.34998





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000390000001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88
/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	3589476708
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000728000014
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995
/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
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	126.599998
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.29999995
/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	2760420810
/ehDyn AutoCntrLoSpd M str.Timer2 mS u32	1078320779
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.799988
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.2399983e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998
/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.Filter1Initialized_Cnt_lgc	1
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_initialize_cht_m_igc /ehDyn_LoSpdLearnt_Cht_M_lgc	0
/enDyn_tospotearnt_Cnt_ivi_igc /ehDyn_MaxOffset_HwDeg_M_f32	1290.44995
/ehDyn_MinOffset_HwDeg_M_f32	-524.309998
	-524.309998 7.80000019
/ehDyn_PinTrqSV_M_str.SV_Uls_f32 /ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000467000005





Name Input Value VehDyn_SLPHwAuth_Uls_M_f32 0.180999994 VehDyn_SLPHwPos_HwDeg_M_f32 401.290009	
k HiSpdVDAuthority UIs f32	
k_LoSpdVDAuthority_UIs_f32 0	
k_SysKinRatio_MtrDegpHwDeg_f32 86.8499985	
k_TravelXCDeadband_Uls_f32 0	
k TravelXCHwAuthority Uls f32 0.253049999	
target_DtrmnElapsedTime_mS_u32_ElapsedTime 1316564736	
target_GetSystemTime_mS_u32_CurrentTime 3714197504	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	OT HwDea 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_MotorVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwl	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_Sensor	
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_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 -753.77002	
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 Expected Value	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1	
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 -1988.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1440.88 ± 0.009	
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.Timer1_mS_u32 3714197504	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3796740682	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1988.5 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -2400.19995 ± 0.009	
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.Timer1_mS_u32 3714197504	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3714197304 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 1078320779	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -753.799988 ± 0.0009	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 1988.59998 ± 0.009	
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 HiSpdLearnt Cnt M Igc 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 1290.44993 VehDyn_MinOffset_HwDeg_M_f32 268.820007	
VehDyn_PinTrqSV_M_str.SV_Uls_f32 7.79416847 ± 0.000009	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value 401.290009 ± 0.1	

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 ChecknointReached	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	124.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000391000009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092999998
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	124.300003
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.300003
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.3000019 88
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
	52716
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000730000029
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.19995
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000452000007
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	124.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
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	456.799988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.25999998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1286.55005
VehDyn_MinOffset_HwDeg_M_f32	-537.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468000013
VehDyn_SLPHwAuth_Uls_M_f32	0.18999998
VehDyn_SLPHwPos_HwDeg_M_f32	411.549988
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	56.3300018
k_TraveIXCDeadband_Uls_f32	100
k_TraveIXCHwAuthority_UIs_f32	0.254274994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
target_GetSystemTime_mS_u32_CurrentTime	3323480832
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-492.670013
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	-1253.40002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.329987
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006 ± 0.009
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.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
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.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	920.870972
VehDyn_MinOffset_HwDeg_M_f32	-492.670013
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.196172 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.189999998 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	411.549988 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.1999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784

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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	1991.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000391999987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995
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	456.600006 35.2999992
VehDyn_AutoCotrHiSpd_M_str.VehSpd_kph_f32	14.600004
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000456000009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.200012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005 -2400.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000931999999
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	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
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_Uls_f32	0
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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_Kte_inst_Ap_venDyn.venDyn_Per1_veniclespeed_Kpn_t32 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
	-835.099976
target VenDyn Peri MotorVelCRF MtrRadoS (32 value	
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2500.06006





Name	Input Value
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.049988
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
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.Timer1_mS_u32	71426560
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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.Timer1_mS_u32	71426560
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
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_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	1999.67004
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39978266 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.199000001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	421.809998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.200 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000392999995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000934000011
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	566.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5999985

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Name -	Inc., 4 Value
Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000734000001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00046000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.099976
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
	2600.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	7.30000029e-005
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	2800.19995
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_Igc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1278.75
VehDyn_MinOffset_HwDeg_M_f32	-564.630005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000469999999
VehDyn_SLPHwAuth_Uls_M_f32	0.208000004
VehDyn_SLPHwPos_HwDeg_M_f32	432.070007
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	41.0400009
k TravelXCDeadband Uls f32	24.8700008
k TravelXCHwAuthority UIs f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080
target_GetSystemTime_mS_u32_CurrentTime	2430672128
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg 132	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_venDyn.venDyn_Peri_Hw1orque_HwNm_f32 target_Rte_inst_Ap_venDyn.venDyn_Peri_Hw1orque_HwNm_f32	target_VenDyn_Per1_HW1orque_HWNm_r32 target_VenDyn_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_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	-508.109985
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	909.732971
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.07000017
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.200012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2600.07007
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.480003
Name	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948759
, – , – – – –	4290967295
VehDvn_AutoCntrDetSnd_M_str_Timer2_mS_u32	.=5555.=55
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.PalHwPosFilt1SV_HwDeg_str.SV_Llls_f32	-2400 1001 ± 0 009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1988.19995 ± 0.009 0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2430672128
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.299988 ± 0.0009
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.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1690.33704
VehDyn_MinOffset_HwDeg_M_f32	-564.630005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59410906 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.208000004 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	432.070007 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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
kte_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	84.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000394000002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
/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	456.700012
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.5400009
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
/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	4004004657
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000736000016
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000464000012
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1

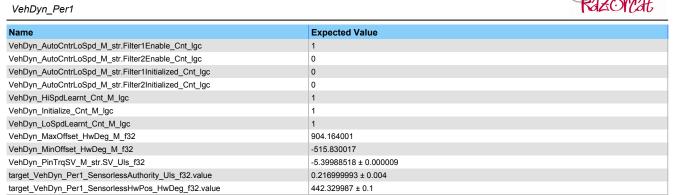
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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.299988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.099985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.099999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.8999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.31999971e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
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_Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-1274.84998
	-578.070007
VehDyn_MinOffset_HwDeg_M_f32	-5.400001 -5.400001
VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000471000007
VehDyn SLPHwAuth Uls M f32	0.216999993
VehDyn SLPHwPos HwDeg M f32	442.329987
k HiSpdVDAuthority UIs f32	0
k LoSpdVDAuthority Uls f32	1
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_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	-2500.08008
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.2999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.640015
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2242866176
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
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.Timer1_mS_u32	4004004657
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
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.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.8999 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009

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Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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 Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	52.2999992
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	14.300002
/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	0
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	219286216
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00039500001
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1991.09998
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000937999983
/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	159.600006
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	68
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	16.6000004
/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	2800.30005
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000737999973
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1988.30005
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000468000013
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	412
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.300003
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	10.1000004
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	12.1000004
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	13352
/ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	14442
/ehDyn AutoCntrLoSpd M str.Timer1 mS u32	3589476708
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.01001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.3399987e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983

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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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1270.94995
VehDyn_MinOffset_HwDeg_M_f32	-591.51001
VehDyn_PinTrqSV_M_str.SV_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
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	63.8699989
k_TravelXCDeadband_Uls_f32	31.1499996
k_TravelXCHwAuthority_UIs_f32 target DtrmnElapsedTime mS u32 ElapsedTime	0.224999994 309385728
target_GetSystemTime_mS_u32_CurrentTime	2269150976
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg 132	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_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 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	-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	-2400
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.119995
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998 ± 0.009
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.Timer1_mS_u32	0 2269150976
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2269150976 54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2269150976 54822322 2800.30005 ± 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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810
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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 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 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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 1
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 1 0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_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.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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 1 0 1
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_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.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.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	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 1 0 1 0 1
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_IspdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 0 1 1 0 1270.94995
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.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_IspdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 0 1 0 17 1 18 19 19 19 10 11 10 11 10 11 10 11 10 11 10 11 11
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 0 1 1 0 1270.94995



Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 2.203 (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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.200012
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.2000008
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000395999989
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000939999998
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	10.5
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.5999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.5
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.5999985
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	-1438.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000739999989
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000472000014
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	10.1000004
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.099998
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.36000002e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00093999998
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_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	-1267.05005
/ehDyn_MinOffset_HwDeg_M_f32	-604.950012
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
ehDyn PinTrqSV M str.K Uls f32	0.000472999993





<u> </u>	
Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.234999999
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	88.4499969
k_TravelXCDeadband_Uls_f32	34.2900009
k_TravelXCHwAuthority_UIs_f32	0.243249997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	3533260288
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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 -531.27002
target_VenDyn_Per1_CcwEO1_HwDeg_f32.value target_VenDyn_Per1_CwEOT_HwDeg_f32.value	-531.27002 893.026001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1199.69995
target VehDyn Per1 RelHwPos HwDeg f32.value	2800.8999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.900001
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.309998
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3533260288
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
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.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002 ± 0.009
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.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	893.026001
VehDyn_MinOffset_HwDeg_M_f32	-531.27002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60182357 ± 0.000009
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.234999999 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1
	1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.10000038
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.140015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000396999996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
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	56.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.5
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_UIs_f32	1950.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000742000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.40002
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	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.2999992
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.300003
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.300031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.09998
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.38000017e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1885.19995
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1263.15002
VehDyn_MinOffset_HwDeg_M_f32	-618.390015
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000474
VehDyn_SLPHwAuth_Uls_M_f32	0.244000003
VehDyn_SLPHwPos_HwDeg_M_f32	1600
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	96.7799988
k_TravelXCDeadband_Uls_f32	37.4300003
k_TravelXCHwAuthority_Uls_f32	0.255499989
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target_GetSystemTime_mS_u32_CurrentTime	812314880
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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-538.98999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	887.45697
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.51000023
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1299.69995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.23999
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.140015 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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.Timer1_mS_u32	812314880
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.40002 ± 0.009
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.Timer1_mS_u32	812314880
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1263.15002
VehDyn_MinOffset_HwDeg_M_f32	899.01001
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7956057 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.24400003 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDyn 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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.299988	
VehDyn_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	

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Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000398000004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
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	86.5999985
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	129.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.5999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.40002
	-2000.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00047999988
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.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.099985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.40000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.100006
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 Igc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	1259.25
VehDyn_MinOffset_HwDeg_M_f32	-631.830017
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn PinTrqSV_M_str.Sv_Ois_t32 VehDyn PinTrqSV M str.K UIs f32	
	0.000475000008
VehDyn_SLPHwAuth_Uls_M_f32	0.252999991
VehDyn_SLPHwPos_HwDeg_M_f32	0
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	40.5699997
k_TravelXCHwAuthority_Uls_f32	0.267749995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_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_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	
	target VehDvn Per1 VehicleSpeedValid Cnt loc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -546.710022
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





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	753.849976
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.329987
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5 ± 0.009
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.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.30005 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.40002 ± 0.009
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.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.100006 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	128.037994
VehDyn_MinOffset_HwDeg_M_f32	-631.830017
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7889957 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.252999991 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000399000011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.0999985

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
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	-1887.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.40002
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	1024
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.41999975e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.19995
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000945999986
VehDyn_AutoCritiLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000343939960
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	•
VehDyn_MaxOffset_HwDeg_M_f32	-1255.34998
VehDyn_MinOffset_HwDeg_M_f32	-645.27002 -7
VehDyn_PinTrqSV_M_str.SV_Uls_f32	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475999987
VehDyn_SLPHwAuth_Uls_M_f32	0.261999995
VehDyn_SLPHwPos_HwDeg_M_f32	1456.47998
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	52.7000008
k_TravelXCDeadband_Uls_f32	43.7099991
k_TraveIXCHwAuthority_UIs_f32	0.280000001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_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_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_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	-1988.84998
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	Expected Value
	1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	3174948759
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759 4294967295
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
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	4294967295 -2500.1001 ± 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	4294967295 -2500.1001 ± 0.009 1950.5 ± 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	4294967295 -2500.1001 ± 0.009

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VehDyn_Per1



Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.40002 ± 0.009
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.Timer1_mS_u32	3494315776
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	876.31897
VehDyn_MinOffset_HwDeg_M_f32	-554.429993
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99947119 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.261999995 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1456.47998 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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
GetSystemTime_mS_u32(CurrentTime)	target_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	86.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
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	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00039999999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5
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_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5999985
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	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000487999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
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	98.099985
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	78.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4399999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
	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_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
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000476999994
VehDyn SLPHwAuth Uls M f32	0.270999998
VehDyn_SLPHwPos_HwDeg_M_f32	-147.25
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-562.150024
target VehDyn Per1 CwEOT HwDeg f32.value	870.75
target VehDyn Per1 HwTorque HwNm f32.value	-5.84000015
	-75.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988.64001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.040009
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5 ± 0.009
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.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	463842816
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1750.50098 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5 ± 0.009
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.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682

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VehDyn_Per1



Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1117.89001
VehDyn_MinOffset_HwDeg_M_f32	-658.710022
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29443407 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.270999998 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-147.25 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
DtrmnElapsedTime_mS_u32	1
GetSystemTime_mS_u32	2
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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	31.2000008
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	96.1999969
/ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	8.19999981
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	56.2000008
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	53759
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	30349
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3589476708
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000400999998
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	142.199997
/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	66.3300018
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.099985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.2299995
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.099985
/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	935.200012
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002
/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	66.3000031
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.300003
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.46000005e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1900.30005
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1247.55005
VehDyn_MinOffset_HwDeg_M_f32	-672.150024
VehDyn_PinTrqSV_M_str.SV_Uls_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 0
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	25.4500008
k_SysKinRatio_MtrDegpHwDeg_f32 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 Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg 132	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_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	-569.869995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	865.18103
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.94999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1991.54004
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 3589476708
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708 2967684784
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 3589476708 2967684784 456.5 ± 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	1 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 0.0009 1
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 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 0.0009 1
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_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 0.0009 1 1 1 0
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 0.0009 1 1 1 0 1759885568 2553156835
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	1 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 0.0009 1 1 1 0 1759885568 2553156835 935.200012 ± 0.0009
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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 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 3589476708 2967684784 456.5 ± 0.0009 142.199997 ± 0.0009 1 1 1 0 1759885568 2553156835 935.200012 ± 0.0009
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Name	Expected Value
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-154.25 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	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_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
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000402000005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
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.FiltPinTrg HwNm f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.199969
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	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993
	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	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	1.29999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.099985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.14001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002
/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
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
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 Uls f32	14

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Name	Input Value
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	45.7999992
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	53.1300011
k_TraveIXCHwAuthority_Uls_f32	0.31674999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832
target_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_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	-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	1987.23999
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	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002 ± 0.009
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.Timer1_mS_u32	1662097408
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
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.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.14001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1127.62805
VehDyn MinOffset HwDeg M f32	-685.590027
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9961948 ± 0.00009
,	13.9961948 ± 0.00009 1 ± 0.004

Took Ston Call Trace	
Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte Call VehDvn Per1 CP1 CheckpointReached	1



Test Step 2.210 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target 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	200.199997
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	63.099985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000407000014
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.600006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
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	2800.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.700012 106.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32	10.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2400.5
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.58000024e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV UIs f32	-1438.30005
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1239.75
VehDyn_MinOffset_HwDeg_M_f32	-699.030029
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.587000012
VehDyn_SLPHwPos_HwDeg_M_f32	-478.100006
k_HiSpdVDAuthority_Uls_f32	0.89999976
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	63.2999992
k_TravelXCDeadband_Uls_f32	56.2700005
k_TraveIXCHwAuthority_Uls_f32	0.328999996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560
target_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

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f32
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target VehDyn Per1 SensorlessAuthority Uls f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 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	-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	-2400.03003
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	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5 ± 0.009
VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	0
VehDyn AutoCntrDetSpd_M_str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrDetSpd_M_str.Filter1Initialized Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrDetSpu_M_str.Timer2mittalizeu_cnt_igc VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2127166208
	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002 ± 0.009
	-1900.40002 ± 0.009
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	•
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrloSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5 ± 0.009 -1438.30005 ± 0.009
	1
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	·
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1239.75
VehDyn_MinOffset_HwDeg_M_f32	1814.71997
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50234127 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.89999976 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-411.630005 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1



Test Case 3: Path Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cvcles: TS3.1 2641.00 Cycles
TS3.2 2525.00 Cycles
TS3.3 2437.00 Cycles
TS3.4 3430.00 Cycles
TS3.5 2406.00 Cycles
TS3.6 3452.00 Cycles
TS3.7 3382.00 Cycles
TS3.8 3494.00 Cycles
TS3.8 3494.00 Cycles
TS3.10 3493.00 Cycles
TS3.11 3456.00 Cycles
TS3.11 3456.00 Cycles
TS3.12 3953.00 Cycles
TS3.13 3043.00 Cycles

Description

Vector Description:

Vector Description:

TS3.1"(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE
(VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE) =FALSE
((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
(VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=FALSE
TS3.2"(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE))=FALSE
(VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE) =FALSE
(VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE) =TRUE
(VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE) =TRUE
(VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE) =TRUE
(VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE) =TRUE
(VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE) =FALSE
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE) =TRUE
(VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =FALSE
(VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =FALSE
(VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =FALSE
(VehDyn_MinOffset_HwDeg_M_f32) = Min_m(VehDyn_MaxOffset_HwDeg_M_f32, (CwEOTPosition_HwDeg_T_f32 - RelHwPos_HwDeg_T_f32)) =FALSE
TS3.5VehDyn_MinOffset_HwDeg_M_f32 = Max_m(VehDyn_MinOffset_HwDeg_M_f32, (CcwEOTPosition_HwDeg_T_f32 - RelHwPos_HwDeg_T_f32)) =FALSE
TS3.5VehDyn_Initialize_Cnt_M_lgc == FALSE) =TRUE
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32) =FALSE"
TS3.7SnziessHwPos_HwDeg_T_f32 = Limit_m(SnsrlessHwPos_HwDeg_T_f32, -D_VDHWPOSMAX_HWDEG_F32, D_VDHWPOSMAX_HWDEG_F32) =TRUE
TS3.8"((Deadband_Uls_T_f32 > b_NOAUTH_ULS_F32) =FALSE
TS3.9VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =FALSE
TS3.11'(VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =TRUE
TS3.13(VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =TRUE
TS3.13(VehDyn_AutoCntrHiSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =TRUE
TS3.13(VehDyn_AutoCntrLoSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =TRUE
TS3.13(VehDyn_AutoCntrLoSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =TRUE
TS3.13(VehDyn_AutoCntrLoSpd_M_str_Filter2Enable_Cnt_lgc == TRUE) =TRUE

Test Step 3.1 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	-3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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	-3200
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	
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	-3200
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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_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	2.51000006e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
	0
k_HiSpdVDAuthority_UIs_f32	
k_LoSpdVDAuthority_Uls_f32	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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_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
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1350
target VehDyn Per1 RelHwPos HwDeg f32.value	-3200
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	
	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	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	-3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
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	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	0
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VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	Ŭ
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0

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Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	360
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Test Step 3.2 (Repeat Count = 1)	Invest Males
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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
/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
VehDyn_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	3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	700
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	255
VehDyn AutoCntrHiSpd M str.FiltPinTrg 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	3200
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00125584798
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	3200
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeq_str.K_Uls_f32	0.00125584798
VehDyn 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
/enDyn_AutoCntrLoSpd_M_str.FntrPiffTrq_mwnin_i32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
/ehDyn_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	3200
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798



Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
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 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	0.00125584798
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32 k HiSpdVDAuthority Uls f32	1600
k_LoSpdVDAuthority_UIs_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg 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_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 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	10 1350
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	3200
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	512
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	3200 ± 0.009
VehDyn AutoCntrDetSpd_W_str.Filter2Enable Cnt Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
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	3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1mittalized_Cnt_lgc	1
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	3200 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn MaxOffset HwDeg M f32	-1759.89001
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7890587 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 ± 0.004





Name	Expected Value
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

「est Step 3.3 (Repeat Count = 1)	
lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target 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	200.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.099985
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	7034
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	39056
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.51000006e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.R_olis_is2	-1482.09998
	0.000650000002
/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	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	125.099998
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.7999995
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.5
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	2345892861
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000449999992
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
/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	200.100006
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	42.099985
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	7034
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
/ehDyn AutoCntrLoSpd M str.Timer1 mS u32	4211268631
/ehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32	274107514
/ehDyn_AutoCntrLoSpd_M_str.Timer2_m3_u32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001
/ehDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_nwbeg_str.Sv_uis_132 /ehDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_hwbeg_str.K_Uis_132	2.4999994e-005
/enDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uis_f32 /ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uis_f32	-1482.09998
/ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
	1
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
/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_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	369.15799
ehDyn_MinOffset_HwDeg_M_f32	-1439.15405
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019





Name	Input Value
VehDyn_SLPHwAuth_Uls_M_f32	0.986999989
VehDyn SLPHwPos HwDeg M f32	-1589.15002
k HiSpdVDAuthority Uls f32	0.89999976
k_LoSpdVDAuthority_UIs_f32	0.330000013
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1438.15002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	375.23999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.210022
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2880.20996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514 -2400.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-2400.1001 ± 0.009 -1482.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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.Timer1_mS_u32	4243378688
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001 ± 0.009
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.Timer1_mS_u32	4211268631
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	274107514
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 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	-2400.1001 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 0 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 0 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 1 1 1
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 1 1 1 1 1 375.23999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 1 1 1 1 375.23999 -1438.15002
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 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 1 1 1 1 375.23999 -1438.15002 7.7955575 ± 0.000009
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 VehDyn_MinOffset_HwDeg_M_f32	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 1 1 1 1 375.23999 -1438.15002

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51999995e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
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_Igc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.099985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25 43128
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	58869 54822322
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VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2553156835 1885.09998
VehDyn_AutoCntrhiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452000007
VehDyn AutoCntrhiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.19995
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000782000017
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	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	457.399994
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	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.54000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
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_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
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
k_HiSpdVDAuthority_UIs_f32	0.349999994
k_LoSpdVDAuthority_Uls_f32	0.889999986
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	2.69000006
k_TravelXCHwAuthority_UIs_f32	0.0166250002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_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

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	-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	200.839996
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	7.80000019
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1
target VehDyn Per1 VehicleSpeed Kph f32.value	512
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
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.Timer1_mS_u32	1050692864
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
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.Timer1_mS_u32	1050692864
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	0
VehDyn MaxOffset HwDeg M f32	-374.149994
VehDyn MinOffset HwDeg M f32	-1432.46997
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20166588 ± 0.000009
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.889999986 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1
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Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	566.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.1000004	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128	

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33360
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VehDyn_Per1_CcwEOT_HwDeg_f32
VehDyn_Per1_CwEOT_HwDeg_f32
VehDyn_Per1_HwTorque_HwNm_f32
VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
VehDyn_Per1_RelHwPos_HwDeg_f32
VehDyn_Per1_SensorlessAuthority_Uls_f32
VehDyn_Per1_SensorlessHwPos_HwDeg_f32
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VehDvn Per1 TorqueCmdCRF MtrNm f32
VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 VehDyn_Per1_VehicleSpeedValid_Cnt_loc
VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
VehDyn_Per1_VehicleSpeedValid_Cnt_lgc VehDyn_Per1_VehicleSpeed_Kph_f32
VehDyn_Per1_VehicleSpeedValid_Cnt_lgc VehDyn_Per1_VehicleSpeed_Kph_f32
VehDyn_Per1_VehicleSpeedValid_Cnt_lgc VehDyn_Per1_VehicleSpeed_Kph_f32
7 0 1 0 0 0 1 5 4





Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2000.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	256.640015
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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	1885.09998 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
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.Timer1_mS_u32	3039943680
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
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.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	379.141998
VehDyn_MinOffset_HwDeg_M_f32	574.469971
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.40085077 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.660000026 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	2345892861
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.58e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005
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

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000289399992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005
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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1initialized_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	2345892861
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.78000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005
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_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 0.000257999985
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999965
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn SLPHwPos HwDeg M f32	-1517.32996
k_HiSpdVDAuthority_Uls_f32	0.637000024
k_LoSpdVDAuthority_Uls_f32	0
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1394.32996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	451.588989
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.3000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.455994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.100006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 35.8899994
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	
Name Validities Alleged Biological Costs Costs M. Jose	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
VobDup AutoCatrDotCad M at Timera	3589476708
	435 300043 + 0.0000
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005 ± 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	





Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	451.588989
VehDyn_MinOffset_HwDeg_M_f32	-1394.32996
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.79356 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.882000029 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1517.32996 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.7000001e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
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
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	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777799985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1

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Name	Input Value
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_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753.099976
	3.26000008e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	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	0.00026999999
VehDyn_SLPHwAuth_Uls_M_f32	0.702000022
VehDyn_SLPHwPos_HwDeg_M_f32	-1394.20996
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_Uls_f32	0.800000012
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-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	1947.64001
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	Expected Value
	•
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.009
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.Timer1_mS_u32	2269150976
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012 ± 0.0009
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.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886





Name	Expected Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 ± 0.0009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	582.473022
VehDyn_MinOffset_HwDeg_M_f32	-1319.20996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60149491 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.800000012 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

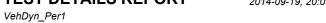
Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.1000004
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.96999997e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000742000004
/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 Igc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.1999969
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	18
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.69999981
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	100
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	22497
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3796740682
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	3796740682
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_0is_i32	0.000541999994
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
· - · ·	-
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 2.900001
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.9000001
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.7999992
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861

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Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.33999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000742000004
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_HiSpdLearnt_Cnt_M_lgc	0
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 VehDyn_PinTrqSV_M_str.K_Uls_f32	8.89999962 0.000368000008
VehDyn SLPHwAuth Uls M f32	0.296999991
VehDyn_SLPHwPos_HwDeg_M_f32	-1117.18994
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	53.2999992
k_TravelXCDeadband_Uls_f32	67.4899979
k_TravelXCHwAuthority_UIs_f32	0.0717500001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208
target_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_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	-1150.18994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	876.961975
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.25
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-158.710007
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0 35.8199997
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	164464918 2345892861
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lqc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
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VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 800969984
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	800969984
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	800969984 3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	800969984 3796740682 1900.19995 ± 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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 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 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861
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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009
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_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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 1
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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 1 1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 1 1 1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 1 1 1 1 0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 1 1 1 0 1
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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.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	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 1 1 1 0 1 0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 1 1 1 0 1





Name - Property of Makes	
Name	Expected Value
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.8933773 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0717500001 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	856.409973 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.8000002
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	27074
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	4211268631
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.1300001e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000774000015
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.200012
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.199997
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	16.1000004
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	96.1999969
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	456.200012
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000561999972
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_0is_i32	0.000904000015
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Erlable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	44.0200005
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.119995
7 - 1 - 1 - 1 - 1	4.01999998
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.1199999
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	4.9800009e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000774000015
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
/ehDyn LoSpdLearnt Cnt M Igc	1





Name	Input Value
VehDyn_MaxOffset_HwDeg_M_f32	678.661987
VehDyn_MinOffset_HwDeg_M_f32	-1024.74597
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000384000014
VehDyn_SLPHwAuth_Uls_M_f32	0.057
VehDyn_SLPHwPos_HwDeg_M_f32	-953.030029
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	0.870000005
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k_TravelXCDeadband_Uls_f32	90.5299988
k_TravelXCHwAuthority_Uls_f32	0.0913499966
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4077829376
target_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_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	-1050.03003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1051.474
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.100006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988.59998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	126.410004
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
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.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5 ± 0.0009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
VehDyn MaxOffset HwDeg M f32	-937.125977
VehDyn_MinOffset_HwDeg_M_f32	-1024.74597
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1910133 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0913499966 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	963.854004 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_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_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AltoCntrDetSnd_M_etr_MtrVol_MtrDedpS_f22	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.1399994 86.099985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.400001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.399996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.799988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.2800001e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995
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_AutoCotrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1 566
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn AutoCntrHiSpd M str.FiltPinTrg 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	-753.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000592000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995
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_Igc	0 700
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 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	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.57999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrl_oSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCotrl_oSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0
VehDyn Initialize Cnt M Igc	1
VehDyn LoSpdLearnt Cnt M Igc	1
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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
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_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32

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Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_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_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	-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	1456.69995
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	Expected Value
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2728878080
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	328928812
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.799988 ± 0.0009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
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.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.299988 ± 0.0009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995 ± 0.009
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.Timer1 mS u32	2728878080
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-241.621002
VehDyn_MinOffset_HwDeg_M_f32	-924.486023
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19633675 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	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_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

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Name	Input Value
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	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000407000014
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998
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 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005
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	12.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442 3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0
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
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
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	0.89999976
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997
k_TravelXCDeadband_Uls_f32	3.38000011
k_TravelXCHwAuthority_UIs_f32	0.212624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_venDyn_VenDyn_Per1_SensoriessAutnority_Uis_132 target_Rte_Inst_Ap_vehDyn_VehDyn_Per1_SensoriessHwPos_HwDeg_f32	target_VenDyn_Per1_SensoriessAutnority_Uis_132 target_VenDyn_Per1_SensoriessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensonesshwPos_nwDeg_i32 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	-430.290009





Name	Input Value
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2400.04004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005 ± 0.009
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.Timer1_mS_u32	824746752
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1172.87
VehDyn_MinOffset_HwDeg_M_f32	1969.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157 ± 0.000009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.275999993 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	62.7099991 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

Name	Invest Value
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_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	-3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1

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Name	Input Value
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	-3200
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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_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_UIs_f32	-3200
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	280
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51000006e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
c_HiSpdVDAuthority_Uls_f32	0
C_LoSpdVDAuthority_Uls_f32	0
c_SysKinRatio_MtrDegpHwDeg_f32	1
C_TravelXCDeadband_Uls_f32	0
c_TravelXCHwAuthority_Uls_f32	0
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	0
arget_GetSystemTime_mS_u32_CurrentTime	0
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
target_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_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
arget_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
arget_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1350
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	180
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0
Name	Expected Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
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Name	Expected Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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	-3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
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.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
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_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	180
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992 ± 0.00009
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0 ± 0.004
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600 ± 0.1

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	1
Autocenter_f32	1
GetSystemTime_mS_u32	2
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_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	-3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51000006e-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	-3200

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VehDyn_PartragV_M_strX_Uls_f32	VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehOyn, SIPMorbs, Hubby, Us. M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, Hubbe, M. 152 VehOyn, SIPMorbs, M. 152 VehOyn, SIPMorbs, M. 152 VehOyn, SIPMorbs, M. 152 VehOyn, SIPMorbs, M. 152 VehOyn, SIPMorbs, M. 152 VehOyn, VehOyn, VehOyn, Peh, Peh, CovEOT, Hubbe, 152 Vehoyn, Rela, Inst. Ap, VehOyn, VehOyn, Peh, Peh, VehOyn, SIPMorbs, SIPMorbs, M. 152 VehOyn, VehOyn, VehOyn, Peh, Peh, VehOyn, Peh, Peh, VehOyn, Peh, Peh, VehOyn, Peh, Peh, VehOyn, Peh, Peh, VehOyn, Peh, SIPMorbs, SIPMorbs, SIPMorbs, SIPMorbs, Peh, SIPMOrbs, SIPMOrbs, SIPMOrbs, SIPMOrbs, SIPMOrbs, SIPMOrbs, Peh, SIPMOrbs	VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn, SI-PhiwAuth, Us. M. 192	VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn, SI-PhiwAuth, Us. M. 192		2.51000006e-006
K_LISSPATO/Authority_Uis_152	VehDyn SLPHwAuth Uls M f32	0
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larget_Rel_inst_Ap_VehDyn_Per1_MotorVeiCRF_MtrRadpS_f32 target_Rel_inst_Ap_VehDyn_Per1_ReliHwPos_HwDeg_f32 target_Rel_inst_Ap_VehDyn_Ner1_ReliHwPos_HwDeg_f32 target_Rel_inst_Ap_VehDyn_Per1_SensorlessAthwort_Uis_f32 target_Rel_inst_Ap_VehDyn_Per1_SensorlessAthwort_Uis_f32 target_Rel_inst_Ap_VehDyn_Per1_SensorlessAthwort_Uis_f32 target_Rel_inst_Ap_VehDyn_Per1_SensorlessAthwort_Uis_f32 target_Rel_inst_Ap_VehDyn_Per1_VehDyn_Per1_VehDeg_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehDeg_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehDeg_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehDeg_f32 target_VehDyn_Per1_VehDeg_f32		
target_Rel_inst_Ap_VehDyn_Perl_ReliHwPos_HwDeg_i32 target_VehDyn_Perl_SensorlessAuthority_Uis_i32 target_Rel_inst_Ap_VehDyn_VehDyn_Perl_SensorlessAuthority_Uis_i32 target_VehDyn_Perl_SensorlessAuthority_Uis_i32 target_Rel_inst_Ap_VehDyn_VehDyn_Perl_SensorlessAuthority_Uis_i32 target_VehDyn_Perl_SensorlessAuthority_Uis_i32 target_Rel_inst_Ap_VehDyn_VehDyn_Perl_VehicleSpeedValid_Cnt_Uis_c target_VehDyn_Perl_VehicleSpeedValid_Cnt_Uis_c target_Rel_inst_Ap_VehDyn_VehDyn_Perl_VehicleSpeed_Kph_i32 target_VehDyn_Perl_VehicleSpeed_Kph_i32 target_VehDyn_Perl_CowEOT_HwDeg_i32.value -1440.10999 target_VehDyn_Perl_HwTorque_HwMm_i32.value -1350 target_VehDyn_Perl_HwTorque_HwMm_i32.value -1350 target_VehDyn_Perl_RelHwPos_HwDeg_i32.value -3200 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_i32.value -3200 target_VehDyn_Perl_VehicleSpeed_Kph_i32.value 0 target_VehDyn_Perl_VehicleSpeed_Kph_i32.value 0 target_VehDyn_Perl_VehicleSpeed_Kph_i32.value 0 VehDyn_AlutoCntr_Cnt_M_igc 0 VehDyn_AutoCntrDelSpd_M_str.Timerl_mS_u32 0 VehDyn_AutoCntrDelSpd_M_str.Timerl_mS_u32 -3200 ± 0.009 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uis_i32 -3200 ± 0.009		
target_Rte_Inst_Ap_VehDyn.VehDyn_Perf_SensorlessAuthority_Uls_f32 target_VehDyn_Perf_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Perf_SensorlessHwPos_HwDeg_f32 target_VehDyn_Perf_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Perf_VehicleSpeedValid_Cnt_igc target_VehDyn_Perf_VehicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_VehDyn.VehDyn_Perf_VehicleSpeed_Kph_f32 target_VehDyn_Perf_VehicleSpeedValid_Cnt_igc target_VehDyn_Perf_CwEOT_HwDeg_f32.value -1440.10999 target_VehDyn_Perf_HwTorque_HwMr_f32.value -10 target_VehDyn_Perf_HwTorque_HwMr_f32.value -1350 target_VehDyn_Perf_HwTorque_HwMr_f32.value -3200 target_VehDyn_Perf_Perf_RelHwPos_HwDeg_f32.value -880000019 target_VehDyn_Perf_VehicleSpeed_Kph_f32.value -880000019 target_VehDyn_Perf_VehicleSpeed_Kph_f32.value 0 target_VehDyn_Perf_VehicleSpeed_Kph_f32.value 0 VehDyn_Perf_VehicleSpeed_Kph_f32.value 0 VehDyn_Perf_VehicleSpeed_Kph_f32.value 0 VehDyn_Perf_VehicleSpeed_Kph_f32.value 0 VehDyn_AutoCntrDetSpd_M_str.Timer_m_s_u32 0 VehDyn_AutoCntrDetSpd_M_str.Timer_m_s_u32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_LWEOT_HwDeg_f32.value target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Pert_TerqueCmdCRF_MtrNm_f32.value target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Pert_VehicleSpeed_Kph_f32.value target_VehDyn_Pert_VehicleSpeed_Kph_f32.value target_VehDyn_Pert_VehicleSpeed_Kph_f32.value target_VehDyn_Pert_VehicleSpeed_Kph_f32.value 0 Name Expected Value VehDyn_AllochtDetSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltItSV_HwDeg_str.SV_UIs_f32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltItSV_HwDeg_str.SV_UIs_f32 0 VehDyn_AutoCntrDetSpd_M_str.FilterTenable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Tenable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2_MS_usc_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2_MS_usc_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_TorqueCmdCRF_MtrNm_i32 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_i32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeedValid_Cnt_lgc target_VehDyn_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeed_Kph_i32 target_VehDyn_Pert_VehicleSpeed_Kph_i32 target_VehDyn_Pert_CmcCOT_HwDeg_i32_value -1440.10999 target_VehDyn_Pert_HwTorque_HwNn_i32_value -10 target_VehDyn_Pert_MoleCRF_MtrRabg_i32_value -1350 target_VehDyn_Pert_RelHwPos_HwDeg_i32_value -3200 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_i32_value -8,80000019 target_VehDyn_Pert_OrpucCmdCRF_MtrNm_i32_value 0 target_VehDyn_Pert_VehicleSpeedValid_Cnt_lgc_value 0 target_VehDyn_Pert_VehicleSpeed_Kph_i32_value 0 VehDyn_AllowHiSpd_Mstr.Timer1_mS_u32 0 VehDyn_AllowHiSpd_Mstr.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uis_i32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0		
target_Rte_Inst_Ap_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_CcwEOT_HwDeg_f32_value target_VehDyn_Pert_CcwEOT_HwDeg_f32_value target_VehDyn_Pert_LwTorque_HwNm_f32_value target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32_value target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32_value target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32_value target_VehDyn_Pert_RelHwPos_HwDeg_f32_value target_VehDyn_Pert_RelHwPos_HwDeg_f32_value target_VehDyn_Pert_RelHwPos_HwDeg_f32_value target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32_value target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc_value target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc_value target_VehDyn_Pert_VehicleSpeed_Kph_f32_value target_VehDyn_Pert_VehicleSpeed_Kph_f32_value target_VehDyn_Pert_VehicleSpeed_Kph_f32_value target_VehDyn_Pert_VehicleSpeed_Kph_f32_value 0 Name Expected Value VehDyn_AluoCntr_Cnt_M_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Timert_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FiltertIenable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FiltertIenable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FiltertIenable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FiltertIenable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FiltertIenable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FiltertIenable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.FiltertSp_Mstr.Su_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FiltertSp_Mstr.Su_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FiltertSp_Mstr.Su_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FiltertSp_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FiltertSp_Mstr.Su_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FiltertSp_HwDeg_str.SV_UIs_f32 -3200 ± 0.009		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_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 -1350 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -3200 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -8.8000019 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 0 VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 0 VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Ini	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32_value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_VehDyn_Perl_CwEOT_HwDeg_f32.value 360 target_VehDyn_Perl_HwTorque_HwNm_f32.value -10 target_VehDyn_Perl_MotorVelCRF_MtrRadpS_f32.value -1350 target_VehDyn_Perl_RelHwPos_HwDeg_f32.value -3200 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f32.value -8.80000019 target_VehDyn_Perl_VehicleSpeed_Kph_f32.value 0 vehDyn_Perl_VehicleSpeed_Kph_f32.value 0 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 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 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 0	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_HwTorque_HwNm_f32.value -10 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -1350 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -3200 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -8.80000019 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter3_mS_u32 0 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_Hobeg_str.SV_UIs_f32 -3200 ± 0.009 <tr< td=""><td>target_VehDyn_Per1_CcwEOT_HwDeg_f32.value</td><td>-1440.10999</td></tr<>	target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1350
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-3200
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 0 Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0		-8.80000019
Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 0 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2_m3_u32 0 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 0 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0		0
Name Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 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 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 0 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 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 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 0 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 0 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0		
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VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -3200 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 ± 0.009
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0	VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
	VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

VehDyn_Per1

2014-09-19, 20:09:35+0530



Expected Value VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 $VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc$ 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 -3200 ± 0.009 -3200 ± 0.009 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 $VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc$ VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 $VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc$ n VehDyn_HiSpdLearnt_Cnt_M_lgc 0 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 360 VehDyn_MinOffset_HwDeg_M_f32 -1440.10999 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -18.7999992 ± 0.00009 0 ± 0.004 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

Test Step Call Trace	
Expected Function	Count
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1
Autocenter_f32	1
GetSystemTime_mS_u32	2
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1

-1600 ± 0.1