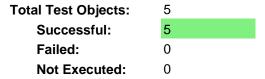
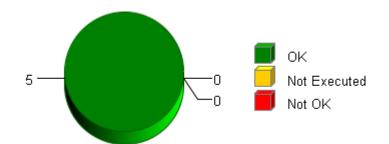


Summary

Overall Test Object Results (including Coverage)



Date: 2014-09-19 **Time:** 20:50:58+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

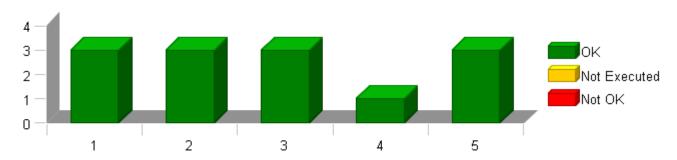
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

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

Multiple Condition Coverage

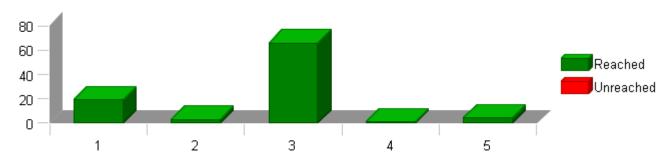
Test Case Results for Each Test Object (without Coverage)



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).

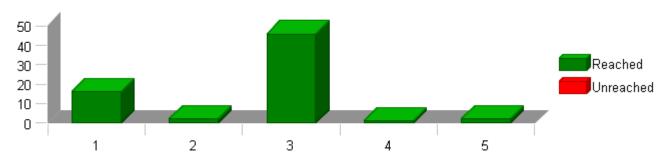


Statement (C0) Coverage: Total Statements for Each Test Object



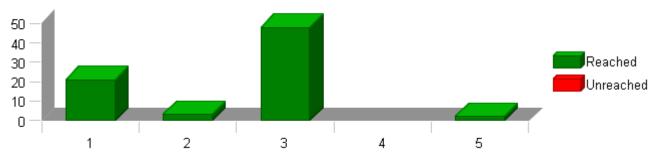
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

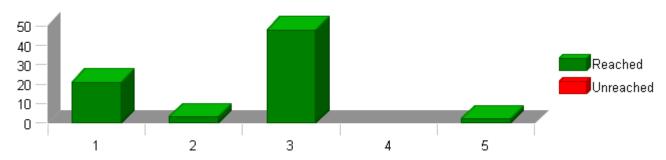


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, 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 Object List

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

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

No.	Name	C0	C1	MC/DC	MCC	Test Cases	Result
	VehDyn	100 %	100 %	100 %	100 %	13 of 13 passed	•
	CBD_UnitTest	100 %	100 %	100 %	100 %	13 of 13 passed	•
	VehDyn	100 %	100 %	100 %	100 %	13 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	100 %	100 %	100 %	100 %	3 of 3 passed	•
4	<u>VehDyn SCom</u>	100 %	100 %	-	-	1 of 1 passed	•
5	VehDyn_Trns1	100 %	100 %	100 %	100 %	3 of 3 passed	~

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2014-09-19, 20:37:15+0530



Autocenter_f32

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
flodule '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					

2014-09-19, 20:37:15+0530





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_ps.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)

TS1.1 680.00 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->Filter2Enable_Cnt_lgc == D_FALSE_CNT_LGC) &&

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

if (AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_FALSE_CNT_LGC)=>True

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

Test Step 1.1 (Repeat Count = 1)			✓		
Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str				
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedT	tgt_DtrmnElapsedTime_mS_u32_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				
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	_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_Igc	0	0	~		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc	0	0			

T						
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_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	5		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-888		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000508000026		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	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	

T ·					
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	•	

Autocenter_f32

2014-09-19, 20:37:15+0530



Test Case 2: Boundary Test

2014-09-19, 20:37:15+0530



Autocenter_f32 Specification

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

CPU Cycles:

TS2.1 676.00 Cycles TS2.2 676.00 Cycles TS2.3 659.00 Cycles TS2.4 659.00 Cycles
TS2.5 730.00 Cycles
TS2.5 730.00 Cycles
TS2.6 659.00 Cycles
TS2.6 659.00 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 = Min
TS2.15VehicleSpeed_Kph_T_f32 = Pos
TS2.15VehSpdValid_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==>Mos
TS2.25AutoCntr_Cnt_T_str.WtrVel_MtrRadpS_f32==>Nos
TS2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Mos
TS2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Nos
TS2.25AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Nos
TS2.25AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Mos
TS2.30AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Mos
TS2.33AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Mos
TS2.33AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Mos
TS2.33AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Mos
TS2.33AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Mos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Nos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Mos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Nos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Nos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Nos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Nos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Nos
TS2.33AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Nos
TS2.33AutoCn
                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

2014-09-19, 20:37:15+0530



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	~

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

Test Step 2.2 (Repeat Count = 1)			· ·	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	18.7999992	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	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	Resul	
Autocenter_f32()	0	0 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295	4294967295	•	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295	4294967295	•	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 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		

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



Test Step 2.3 (Repeat Count = 1)		·		
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	-18.7999992			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_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 Expecte	ed Value Result		
Autocenter_f32()	0 0 ± 0.1	•		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688 4243378	688		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976 2269150	976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950 ± 0	.009		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	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 Igc	0 0	•		

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

Test Step 2.4 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	18.7999992
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	189
RelHwPos_HwDeg_T_f32	-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
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0

2014-09-19, 20:37:15+0530



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	~

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

Test Step 2.5 (Repeat Count = 1) Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	0			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	current i ime		
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	Resul	
Autocenter_f32()	0	0 ± 0.1	•	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	812314880	812314880		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-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 Igc	0	0		
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0		

T					
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	

2014-09-19, 20:37:15+0530



Name	Input Value			
FiltPinTrg 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 Igc	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.FiltPinTrg 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_lgc	0	0	~	

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

Test Step 2.7 (Repeat Count = 1)				
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Elapse	dTime		
FiltPinTrq_HwNm_T_f32	-12.4499998			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTir	me		
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.FiltPinTrq_HwNm_f32	4			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970	53970		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2430672128	2430672128		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	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	•	

2014-09-19, 20:37:15+0530



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	~

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

Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 E	lapsedTime		
FiltPinTrg HwNm T f32	4.23000002	.,		
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Curr	entTime		
MotorVelCRF MtrRadpS T f32	-1350			
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	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	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 Igc	1	1		

T				✓	
Actual Function	Count	Expected Function	Count	Result	ı
GetSystemTime mS u32	1	GetSystemTime_mS_u32	1		ŗ,

Test Step 2.9 (Repeat Count = 1)		<u> </u>
Name	Input Value	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	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	

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Input Value tgt_AutoCntr_Cnt_Tstr.VehSpd_kph_f32 52 tgt_AutoCntr_Cnt_Tstr.FiltPinTrq_HwNm_f32 77 tgt_AutoCntr_Cnt_Tstr.FiltPinTrq_HwNm_f32 54 tgt_AutoCntr_Cnt_Tstr.Timer1Thresh_mS_u18 43128 tgt_AutoCntr_Cnt_Tstr.Timer2Thresh_mS_u18 43128 tgt_AutoCntr_Cnt_Tstr.Timer1mS_u32 3304439296 tgt_AutoCntr_Cnt_Tstr.Timer2 mS_u32 2704864000 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 4888 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 25500009e-006 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 26500009e-006 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 26500009e-006 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 26500009e-006 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 27500009e-006 tgt_AutoCntr_Cnt_Tstr.Filter1Enable_Cnt_Igc 1 tgt_AutoCntr_Cnt_Tstr.Filter1Enable_Cnt_Igc 0 tgt_AutoCntr_Cnt_Tstr.Filter1Initalized_Cnt_Igc 0 tgt_AutoCntr_Cnt_Tstr.Filter1Initalized_Cnt_Igc 0 tgt_AutoCntr_Cnt_Tstr.Filter1Initalized_Cnt_Igc 0 tgt_AutoCntr_Cnt_Tstr.Filter1Initalized_Cnt_Igc 0 tgt_AutoCntr_Cnt_Tstr.Filter3Unitalized_Cnt_Igc 0 tgt_AutoCntr_Cnt_Tstr				
tgt_AutoCntr_Cnt_T_str.FilterInfrag_HwNm_f32	Name	Input Value		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 54 tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 43128 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_UIs_f32 935 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 935 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 -888 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 2,55000009e-006 tgt_AutoCntr_Cnt_T_str.Filter1Entable_Cnt_lgc 1 tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc 1 tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc 0 tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc 0 tgt_GetSystemTime_mS_u32_ElapsedTime 1736795392 tgt_GetSystemTime_mS_u32_CurrentTime 2075080192 Name Actual Value Expected Value Result Autocntr_Cnt_T_str.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 2704864000 2704864000 2704864000 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935	tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	52		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Rell+wPosFit1SV_HwDeg_str.SV_UIs_f32 tgt_AutoCntr_Cnt_T_str.Rell+wPosFit1SV_HwDeg_str.K_UIs_f32 tgt_AutoCntr_Cnt_T_str.Rell+wPosFit1SV_HwDeg_str.K_UIs_f32 tgt_AutoCntr_Cnt_T_str.Rell+wPosFit1SV_HwDeg_str.SV_UIs_f32 tgt_AutoCntr_Cnt_T_str.Rell+wPosFit1SV_HwDeg_str.K_UIs_f32 tgt_AutoCntr_Cnt_T_str.Fitler1Enable_Cnt_Igc tgt_AutoCntr_Cnt_T_str.Fitler1Enable_Cnt_Igc tgt_AutoCntr_Cnt_T_str.Fitler2Initialized_Cnt_Igc tgt_AutoCntr_Cnt_T_str.Fitler2Initialized_Cnt_Igc tgt_AutoCntr_Cnt_T_str.Fitler2Initialized_Cnt_Igc tgt_DtrmnElapsedTime_mS_u32_ElapsedTime tgt_GetSystemTime_mS_u32_CurrentTime Actual Value Expected Value Result AutoCntr_Cnt_T_str.Timer1_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 2704864000 2704864000 2704864000 2704864000 100540000 10054000 10054000 10054000 10054000 10054000 10054000 1	tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	7		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc tgt_Str.AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc tgt_GetSystemTime_mS_u32_ElapsedTime 2075080192 Name Actual Value Expected Value Result AutoCntr_Cnt_T_str.Timer1_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Also str.AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 Also str.AutoCntr_Cnt_T_str.AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128		
tgt_AutoCntr_Cnt_Tstr.Timer2_mS_u32 2704864000 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000509999983 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -888 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 2.55000009e-006 tgt_AutoCntr_Cnt_Tstr.Filter1Enable_Cnt_lgc 1 tgt_AutoCntr_Cnt_Tstr.Filter2Enable_Cnt_lgc 1 tgt_AutoCntr_Cnt_Tstr.Filter2Initialized_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.Filter2Initialized_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.Filter2Initialized_Cnt_lgc 0 tgt_DtmmElapsedTime_mS_u32_ElapsedTime 1736795392 tgt_GetSystemTime_mS_u32_CurrentTime 2075080192 Name Actual Value Expected Value Result Autocenter_f32() 1823 1823 ± 0.1 1 tgt_AutoCntr_Cnt_Tstr.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_Tstr.Timer2_mS_u32 2704864000 2704864000 2704864000 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 935 ± 0.0009	tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	29076		
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 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 1823 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 2704864000 2704864000 2704864000 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 935 935 ± 0.0009	tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3304439296		
tgt_AutoCntr_Cnt_Tstr.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 0.000509999983 tgt_AutoCntr_Cnt_Tstr.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 -888 tgt_AutoCntr_Cnt_Tstr.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 2.55000009e-006 tgt_AutoCntr_Cnt_Tstr.Filter1Enable_Cnt_lgc 1 tgt_AutoCntr_Cnt_Tstr.Filter2Enable_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.Filter2Initialized_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.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 1823 ± 0.1 tgt_AutoCntr_Cnt_Tstr.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_Tstr.Timer2_mS_u32 2704864000 2704864000 2704864000 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 935 935 ± 0.0009 935 ± 0.0009	tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2704864000		
tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Usc tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Usc tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Usc tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Usc tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Usc tgt_DtrmnElapsedTime_mS_u32_ElapsedTime 1736795392 tgt_GetSystemTime_mS_u32_CurrentTime 2075080192 Name Actual Value Expected Value Result Autocenter_f32() tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 2074864000 2074864000 2074864000 2075 0.0009	tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935		
tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 2.55000009e-006 tgt_AutoCntr_Cnt_Tstr.Filter1Enable_Cnt_lgc 1 tgt_AutoCntr_Cnt_Tstr.Filter2Enable_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.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 1823 ± 0.1 tgt_AutoCntr_Cnt_Tstr.Timer1_mS_u32 2075080192 2075080192 tgt_AutoCntr_Cnt_Tstr.Timer2_mS_u32 2704864000 2704864000 2704864000 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 935 935 ± 0.0009	tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000509999983		
tgt_AutoCntr_Cnt_Tstr.Filter1Enable_Cnt_lgc 1 tgt_AutoCntr_Cnt_Tstr.Filter2Enable_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.Filter1Initialized_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.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 1823 ± 0.1 tgt_AutoCntr_Cnt_Tstr.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_Tstr.Timer2_mS_u32 2704864000 2704864000 40000 40000 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 935 ± 0.0009 90000	tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_Tstr.Filter2Enable_Cnt_lgc 1 tgt_AutoCntr_Cnt_Tstr.Filter1Initialized_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.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 1823 ± 0.1 tgt_AutoCntr_Cnt_Tstr.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_Tstr.Timer2_mS_u32 2704864000 2704864000 2704864000 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 935 ± 0.0009	tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.55000009e-006		
tgt_AutoCntr_Cnt_Tstr.Filter1Initialized_Cnt_lgc 0 tgt_AutoCntr_Cnt_Tstr.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 1823 ± 0.1 tgt_AutoCntr_Cnt_Tstr.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_Tstr.Timer2_mS_u32 2704864000 2704864000 40000	tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_Tstr.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 1823 ± 0.1 tgt_AutoCntr_Cnt_Tstr.Timer1_mS_u32 2075080192 2075080192 tgt_AutoCntr_Cnt_Tstr.Timer2_mS_u32 2704864000 2704864000 tgt_AutoCntr_Cnt_Tstr.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 935 ± 0.0009	tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime 1736795392 tgt_GetSystemTime_mS_u32_CurrentTime 2075080192 Name Actual Value Expected Value Result Autocenter_f32() 1823 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.1 1823 ± 0.0 1823 ± 0.1 1823 ± 0.0 1823 ± 0.	tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
kgt_GetSystemTime_mS_u32_CurrentTime 2075080192 Name Actual Value Expected Value Result Autocenter_f32() 1823 1823 ± 0.1 1823 ± 0.1 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 2704864000 2704864000 2704864000 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 935 ± 0.0009 935 ± 0.0009	tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
Name Actual Value Expected Value Result Autocenter_f32() 1823 1823 ± 0.1 1823 tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 2075080192 2075080192 2075080192 tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 2704864000 2704864000 40000 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 935 ± 0.0009 935 ± 0.0009	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392		
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_GetSystemTime_mS_u32_CurrentTime	2075080192		
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	Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 2704864000 2704864000 tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935 935 ± 0.0009	Autocenter_f32()	1823	1823 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 935 935 935 935 935 935 935 935 935	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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -888 -888 ± 0.0009	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_Igc 0	tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc 1	tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	-
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc 0	tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	~
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc 0	tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	-

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

Test Step 2.10 (Repeat Count = 1)	Instruct Walnus			
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	5.86999989			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cur	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	4129141760		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000511999999			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.55999998e-006	2.55999998e-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	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	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 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 Igc	1	1		



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

Test Step 2.11 (Repeat Count = 1) Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	, , , ,	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
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		

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

Test Step 2.12 (Repeat Count = 1)	▼
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	7.87699986
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-1200
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	✓

T					V
Actual Function	Count	Expected Function	Count	Res	ult
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		~

Test Step 2.13 (Repeat Count = 1)	Input Value			
Name				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	5.76599979	_		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	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	Resul	
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 Igc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0		

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



Test Step 2.14 (Repeat Count = 1)			√		
Name	Input Value				
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str				
DtrmnElapsedTime mS u32(ElapsedTime)	tgt_DtrmnElapsedTime mS u32 ElapsedTime				
FiltPinTrg HwNm T f32	3				
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime				
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	~		

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

Test Step 2.15 (Repeat Count = 1)	Innud Malura
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

2014-09-19, 20:37:15+0530



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	✓

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

Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)		tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrg HwNm T f32	2.98000002			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Cu	urrentTime		
MotorVelCRF MtrRadpS T f32	-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	Resul	
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	•	

Т			✓	
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

Autocenter_f32

2014-09-19, 20:37:15+0530





Name	Input Value		
RelHwPos_HwDeg_T_f32	456		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	166.977005		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	539		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	116		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75		
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	Result
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	✓

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

Test Step 2.18 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_E	apsedTime	
FiltPinTrq_HwNm_T_f32	6.98699999		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	entTime	
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	Ī		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680		
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	-5800	-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	456 ± 0.0009	~
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600	2600 ± 0.009	✓

2014-09-19, 20:37:15+0530





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	✓

T				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	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_Elapsed	Time		
FiltPinTrq_HwNm_T_f32	14.6626997			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	9		
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_Igc	0	0	~	

Т			✓	
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

2014-09-19, 20:37:15+0530



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	~

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

Test Step 2.21 (Repeat Count = 1)	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt_Nutochit_Chi_su tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrg HwNm T f32	16.3782997	_Liapsea i iiie	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Ci	urrentTime	
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.FiltPinTrg HwNm f32	4		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96		
tgt AutoCntr Cnt T str.Timer1Thresh mS u16	38868		
tgt AutoCntr Cnt T str.Timer2Thresh mS u16	38868		
tgt AutoCntr Cnt T str.Timer1 mS u32	4129141760		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-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	Result
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_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	•





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

Test Step 2.22 (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	18			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	ırrentTime		
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 Igc	1	1		

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

2014-09-19, 20:37:15+0530



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	~

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Actual Function	Count	Expected Function	Count	Res	ult
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		~

Test Step 2.24 (Repeat Count = 1)	Innut Value		
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u3	32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	4		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	CurrentTime	
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		
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_Igc	0	0	
tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc	0	0	
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	1	1	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	

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



Test Step 2.25 (Repeat Count = 1)			_ 少		
Name	Input Value		•		
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str				
DtrmnElapsedTime mS u32(ElapsedTime)		tgt_Nuloonti_Cinc_i_su tgt_DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrg HwNm T f32	16	napoca i iliic			
GetSystemTime mS u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curre	entTime			
MotorVelCRF MtrRadpS T f32	-1253	Sittimo			
RelHwPos HwDeg T f32	-1753				
VehSpdValid Cnt T Igc	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	✓		

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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

2014-09-19, 20:37:15+0530



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	✓

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	Actual Function	Count	Expected Function	Count	Resu	lt
	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	FlansedTime		
FiltPinTrq HwNm T f32	12	_Liapsed fillie		
GetSystemTime mS u32(CurrentTime)		tgt GetSystemTime mS u32 CurrentTime		
MotorVelCRF MtrRadpS T f32	-456	arrentrime		
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.FiltPinTrg 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	Resul	
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	•	

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

Test Step 2.28 (Repeat Count = 1)	
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	10
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_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	~

Actual Function Count Expected Function		
Actual Function 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_Igc	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	•

2014-09-19, 20:37:15+0530





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 Igc	0	0	✓

T				
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	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_Cui	rrentTime			
MotorVelCRF_MtrRadpS_T_f32	-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	~		

T ·						
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	

2014-09-19, 20:37:15+0530



Name	Innut Value		
11000	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	~

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

Name	Input Value				
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str				
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_	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				
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			





Τ					
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_0	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	Resul		
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 Igc	0	0			
tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc	1	1			
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0	0			
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	0	0			

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

2014-09-19, 20:37:15+0530



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	✓

Τ					
Actual Function	Count	Expected Function	Count	Resu	ılt
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		•

Test Step 2.35 (Repeat Count = 1)	Inmut 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	14			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	currentTime		
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 Igc	1	1		
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0		

Т					1
Actual Function	Count	Expected Function	Count	Resu	t
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	





Name	Input Value			
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)		tgt DtrmnElapsedTime mS u32 ElapsedTime		
FiltPinTrg HwNm T f32	16.9799995			
GetSystemTime_mS_u32(CurrentTime)	tgt GetSystemTime mS u32 C	urrentTime		
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.FiltPinTrq_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	1316564736		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	800969984	800969984		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400	-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	Resul	
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		

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

Test Step 2.37 (Repeat Count = 1)	<u> </u>
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	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

2014-09-19, 20:37:15+0530



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	✓

Τ					V
Actual Function	Count	Expected Function	Coun	t Res	ult
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)	tgt_DtrmnElapsedTime_mS_u32_	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	1			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime		
MotorVelCRF_MtrRadpS_T_f32	752			
RelHwPos_HwDeg_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.FiltPinTrq_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	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_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416			
tgt_GetSystemTime_mS_u32_CurrentTime	954802432			
Name	Actual Value	Expected Value	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_lgc	1	1		

T				✓
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



Actual Function

GetSystemTime_mS_u32



Count Result

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.FiltPinTrq_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	Result
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	~

Count Expected Function

GetSystemTime_mS_u32

Test Step 2.40 (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_Cu	rrentTime	
MotorVelCRF_MtrRadpS_T_f32	753		
RelHwPos_HwDeg_T_f32	753		
VehSpdValid_Cnt_T_lgc	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	
	-1988	-1988 ± 0.009	

-2400

tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32

-2400 ± 0.009

2014-09-19, 20:37:15+0530





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

T				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	✓

T				✓
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	

2014-09-19, 20:37:15+0530



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	•

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

Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u3:	2 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	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		





T				✓
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_Ci	urrentTime		
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	-1988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.90000003e-006	2.9000003e-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_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc	1	1		
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1		

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

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	

2014-09-19, 20:37:15+0530



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	~

T					V
Actual Function	Count	Expected Function	Count	Res	ult
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_u3	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	18		
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	

T				V
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		
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 E	lansedTime	
FiltPinTrg HwNm T f32	8	napoca i ililo	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Curre	entTime	
MotorVelCRF MtrRadpS T f32	-835	Sittinio	
RelHwPos HwDeg T f32	-1482		
VehSpdValid Cnt T Igc	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		
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	Result
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	-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	✓

T				✓
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

2014-09-19, 20:37:15+0530



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	✓

Т				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		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32	2_ElapsedTime	
FiltPinTrq_HwNm_T_f32	16		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	CurrentTime	
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	~

T				V
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	



Actual Function

GetSystemTime_mS_u32



Count Result

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	~

Count Expected Function

GetSystemTime_mS_u32

Test Step 2.54 (Depost Count = 4)			
Test Step 2.51 (Repeat Count = 1) Name	Input Value		
AutoCntr_Cnt_T_str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt_Autocrit_crit_1_sti	ansedTime	
FiltPinTrg HwNm T f32	12	арэситте	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 Curre	antTime	
MotorVelCRF_MtrRadpS_T_f32	-147	Sittinic	
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_Igc	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	Resul
Autocenter_f32()	2600	2600 ± 0.1	•
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984	800969984	•
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864	1050692864	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753	-1753 ± 0.009	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•

2014-09-19, 20:37:15+0530





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

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

Test Step 2.52 (Repeat Count = 1)			✓
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	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	~

T				✓
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	

2014-09-19, 20:37:15+0530



Name	Input Value		
	43128		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16			
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	✓

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

Test Step 2.54 (Repeat Count = 1)			
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u3	2_ElapsedTime	
FiltPinTrq_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_lgc	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	Resu
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 Igc	0	0	
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	1	1	



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

Test Step 2.55 (Repeat Count = 1)			•	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	6			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrentTime		
MotorVelCRF_MtrRadpS_T_f32	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		

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

2014-09-19, 20:37:15+0530



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	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	✓			

T					V
Actual Function	Count	Expected Function	Count	Res	ult
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	

Τ					1
Actual Function	Count	Expected Function	Count	Resu	t
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•	





Test Step 2.58 (Repeat Count = 1)			✓	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	12.9799995	12.9799995		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
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	Result	
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	~	

T			✓	
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
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

2014-09-19, 20:37:15+0530



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	✓

Τ					V
Actual Function	Count	Expected Function	Count	Resu	lt
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		✓

Test Step 2.60 (Repeat Count = 1)	Test Step 2.60 (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	-1253				
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	Result		
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_lgc	1	1	~		

T				V
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	~

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	✓

2014-09-19, 20:37:15+0530





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	✓

T				
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_Elapse	edTime	
FiltPinTrq_HwNm_T_f32	9		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTi	me	
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	~

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

Test Step 2.64 (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	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	

2014-09-19, 20:37:15+0530



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 Igc	1		
tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc	1		
tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc	0		
tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc	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	~

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

Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str	tat 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	urrentTime		
MotorVelCRF_MtrRadpS_T_f32	800			
RelHwPos_HwDeg_T_f32	142			
VehSpdValid_Cnt_T_lgc	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.FiltPinTrq_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	0.000668000022		
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	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 ± 0.0009			
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		



T				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		
AutoCntr Cnt T str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u3	32 FlansedTime	
FiltPinTrg HwNm T f32	3	2apood 1o	
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32	CurrentTime	
MotorVelCRF MtrRadpS T f32	-418	ganoner inte	
RelHwPos HwDeg T f32	-1900		
VehSpdValid Cnt T Igc	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	Resul
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_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	•
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	•
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	

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

Test Step 2.67 (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

2014-09-19, 20:37:15+0530



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	~

T					V
Actual Function	Count	Expected Function	Count	Res	ult
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		~

Test Step 2.68 (Repeat Count = 1)	Input Value		
Name			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	2 FlancadTime	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u3	z_Eiapsed i ime	
FiltPinTrq_HwNm_T_f32	2	O	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_0	Surrent i ime	
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		
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	

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





Test Step 2.69 (Repeat Count = 1)			~	
Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime mS u32(ElapsedTime)		tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	5.5			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-158			
RelHwPos_HwDeg_T_f32	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			
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	Result	
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	~	

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

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	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

2014-09-19, 20:37:15+0530



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	~

Τ					V
Actual Function	Count	Expected Function	Coun	t Res	ult
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	~

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

Test Step 3.2 (Repeat Count = 1)			V
Name	Input Value		
AutoCntr Cnt T str	tgt AutoCntr Cnt T str		
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedT	ime	
FiltPinTrq_HwNm_T_f32	5		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-888		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	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	✓

2014-09-19, 20:37:15+0530



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

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

Test Step 3.3 (Repeat Count = 1)		✓	
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	5		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-888		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000508000026		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value Expected Value	Result	
Autocenter_f32()	-1312.33301 ± 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 ± 0.0009	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.333008 ± 0.0009	✓	
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 1	·	

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

Test Step 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	✓

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

Test Step 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	~



T						
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	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_E	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	5				
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curr	entTime			
MotorVelCRF_MtrRadpS_T_f32	0				
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	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_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	•		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓		

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

Test 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 Igc	0	0	_

Τ						
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	~		

T -						
Actual Function	Count	Expected Function	Count	Result		
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~		
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓		
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~		



Test Step 3.9 (Repeat Count = 1)			✓	
Name	Input Value			
AutoCntr Cnt T str	tgt AutoCntr Cnt T str			
DtrmnElapsedTime mS u32(ElapsedTime)	tgt DtrmnElapsedTime mS u32 ElapsedTime			
FiltPinTrg HwNm T f32	5			
GetSystemTime mS u32(CurrentTime)	tgt GetSystemTime mS u32 CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	0			
RelHwPos_HwDeg_T_f32	-888			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	216			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	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			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	30000			
tgt_GetSystemTime_mS_u32_CurrentTime	954802432			
Name	Actual Value	Expected Value	Result	
Autocenter_f32()	-1313	-1313 ± 0.1	~	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	✓	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	2836768512	✓	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888 ± 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	~	

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

Test Step 3.10 (Repeat Count = 1)	✓
Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_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

2014-09-19, 20:37:15+0530



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	~

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

2014-09-19, 20:47:45+0530

VehDyn_Per1



Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Per1

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

2014-09-19, 20:47:45+0530



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_ps.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 2517.00 Cycles Shortest Execution Path TS1.2 5302.00 Cycles Longest Execution Path

Description

Vector Description:

Test Step 1.1 (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 Igc	1
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	200.100006
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	156.100006
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	4.0999999
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	42.099985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
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 Igc	0
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	125.099998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	3,7999995
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	10.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	38708
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2160073393
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	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	-3200
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 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	200.100006
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	156.100006
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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
,	

2014-09-19, 20:47:45+0530



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_AutoCotrl_oSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn LoSpdLearnt Cnt M Igc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-2840		
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00025099999		
VehDyn_SLPHwAuth_Uls_M_f32	0.986999989		
VehDyn_SLPHwPos_HwDeg_M_f32	-1589.15002		
k_HiSpdVDAuthority_UIs_f32	1		
k_LoSpdVDAuthority_UIs_f32	0.330000013		
k_SysKinRatio_MtrDegpHwDeg_f32	10.0200005		
k_TravelXCDeadband_Uls_f32	1.25 0.0153999999		
k_TravelXCHwAuthority_Uls_f32	1720406272		
target_DtrmnElapsedTime_mS_u32_ElapsedTime 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_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mti		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthor		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	s_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVali	d_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kp	h_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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 -1600		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	- 100 LI
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	_
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	→
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514	274107514	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
		0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0	0	~
			~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc	0	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	0 1 1 1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc	0 1 1	0 1 1	

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79555798	7.7955575 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target VehDvn Per1 SensorlessHwPos HwDeg f32.value	1600	1600 ± 0.1	✓

T		✓
Actual Function	Count Expected Function	Count

2014-09-19, 20:47:45+0530



Name	Input Value			
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			
k HiSpdVDAuthority Uls f32	0			
k LoSpdVDAuthority UIs 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			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I	HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	rNm_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_	<u>f</u> 32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360			
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10			
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	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	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	~	
	0	0 0	*	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32			· ·	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	-	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 -3200	0 -3200 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 -3200 -3200	0 -3200 ± 0.009 -3200 ± 0.009	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0 -3200 -3200 0	0 -3200 ± 0.009 -3200 ± 0.009 0	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0 -3200 -3200 0 1	0 -3200 ± 0.009 -3200 ± 0.009 0 1	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 -3200 -3200 0 1	0 -3200 ± 0.009 -3200 ± 0.009 0 1	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 -3200 -3200 0 1 0	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 -3200 -3200 0 1 0 0	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 -3200 -3200 0 1 0 0 0	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0 0	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	0 -3200 -3200 0 1 0 0 0 0 0	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0 0 -3200 ± 0.009	· · · · · · · · · · · · · · · · · · ·	
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VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 -3200 -3200 0 1 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 0 0 180 180 1 1 1 1	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0 0 -3200 ± 0.009 0 -3200 ± 0.009 0 0 0 0 0 0 0 180 ± 0.0009 180 ± 0.0009 1 1 1 1		
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VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.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_AutoCntrHoSpd_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_	0 -3200 -3200 0 1 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0 0 -3200 ± 0.009 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 180 ± 0.0009 180 ± 0.0009 1 1 1 1 1 1 0 1		
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.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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.R	0 -3200 -3200 0 1 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0 0 0 -3200 ± 0.009 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 180 ± 0.0009 180 ± 0.0009 1 1 1 1 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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.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	0 -3200 -3200 0 1 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 0 0 180 180 1 1 1 1 1	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0 0 0 -3200 ± 0.009 0 0 -3200 ± 0.009 0 0 0 0 0 0 180 ± 0.009 180 ± 0.0009 1 1 1 1 1 1 1 1 1 180 -1440.10999		
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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2M_us32 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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.SV_Uls_f32 VehDyn_DinTiqSV_M_str.SV_Uls_f32 VehDyn_DinTiqSV_M_str.SV_Uls_f32	0 -3200 -3200 0 1 0 0 1 0 0 0 0 -3200 0 0 -3200 0 0 0 0 0 0 0 0 180 180 1 1 1 1 1 1 1	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0 0 0 -3200 ± 0.009 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 180 ± 0.009 180 ± 0.0009 1 1 1 1 1 1 1 1 1 180 -1440.10999 -18.7999992 ± 0.00009		
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.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.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	0 -3200 -3200 0 1 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 0 0 180 180 1 1 1 1 1	0 -3200 ± 0.009 -3200 ± 0.009 0 1 0 0 0 0 0 -3200 ± 0.009 0 0 -3200 ± 0.009 0 0 0 0 0 0 180 ± 0.009 180 ± 0.0009 1 1 1 1 1 1 1 1 1 180 -1440.10999		

2014-09-19, 20:47:45+0530



T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

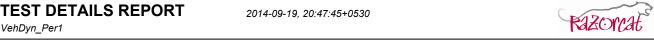
VehDyn_Per1

2014-09-19, 20:47:45+0530



Test Case 2: Boundary Test

2014-09-19, 20:47:45+0530



Specification

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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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 TS2.119 TS2.120 TS2.121 TS2.122 3370.00 Cycles 2353.00 Cycles 3449.00 Cycles 3516.00 Cycles 3419.00 Cycles 3419.00 Cycles 2339.00 Cycles 3405.00 Cycles 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
```



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_Igc	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_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-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_Igc	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_Uls_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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-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		Former at and Welling	D
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0000		
	-3200	-3200 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0	0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 0	0 0 0 0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0 0 0	0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 0 0 0	0 0 0 0 0	v v
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 0 0 0 0 -3200 -3200	0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009	v v
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 0 0 0 0 -3200 -3200	0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 0 0 0 0 0 0 -3200 -3200 0	0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 0 0 0 0 -3200 -3200 0 0	0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 0 0 0 0 -3200 -3200 0 0	0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 0 0 0 0 -3200 -3200 0 0 0	0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 0 0 0 0 0 0 0 -3200 -3200 0 0 0	0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 -3200 -3200 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.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.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	0 0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 -3200 -3200 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 -3200 ± 0.009 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 -3200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 0 -3200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 0 0 0 0 0 0 0 -3200 -3200 0 0 0 0 0 0 -3200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 0 0 0 0 0 0 0 0 -3200 0 0 0 0 0 0 0 0 0 -3200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 -3200 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•



Fest Step 2.2 (Repeat Count = 1)	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_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_lgc	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 3200
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	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_AutoOntrLoSpd_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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584798
ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	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_midalize_on_w_igc	1
ehDyn_MaxOffset_HwDeg_M_f32	1440.10999
ehDyn_MinOffset_HwDeg_M_f32	2840
ehDyn_PinTrqSV_M_str.SV_Uls_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_Uls_f32	1
LoSpdVDAuthority Uls f32	1
SysKinRatio_MtrDegpHwDeg_f32	100
_TravelXCDeadband_Uls_f32	100
TraveIXCHwAuthority_UIs_f32	1
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
arget_GetSystemTime_mS_u32_CurrentTime	4294967295
	target_VehDyn_Per1_CcwEOT_HwDeg_f32





target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_VehDyn_Per1_HwTorque_HwNm_f32		
target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target VehDyn Per1 SensorlessHwPos H	wDeg f32	
target VehDyn Per1 TorqueCmdCRF Mtrl	Nm f32	
	_	
target VehDyn Per1 VehicleSpeed Kph f	32	
-360		
1440.10999		
10		
1350		
3200		
8.80000019		
1		
512		
Actual Value	Expected Value	Result
	•	- TOOUIC
		~
		~
		_
		~
		~
		•
	1 11 11	_
3200	3200 ± 0.009	✓
		~
		✓
		_
1	1	✓
1	1	_
4294967295	4294967295	✓
		~
3200	3200 ± 0.009	✓
3200	3200 ± 0.009	~
	1	✓
1	1	~
	1	~
	1	_
		~
		_
1	1	✓
-1759.89001		_
2840	2840	•
	1 1	
		~
0	0 ± 0.1	
	target_VehDyn_Per1_HwTorque_HwNm_f3 target_VehDyn_Per1_MotorVelCRF_MtrRat target_VehDyn_Per1_RelHwPos_HwDeg_f3 target_VehDyn_Per1_SensorlessAuthority_ target_VehDyn_Per1_SensorlessHwPos_Ht target_VehDyn_Per1_TorqueCmdCRF_MtrI target_VehDyn_Per1_VehicleSpeedValid_C target_VehDyn_Per1_VehicleSpeed_Kph_f3 -360 1440.10999 10 1350 3200 8.80000019 1 512 Actual Value 1 4294967295 4294967295 3200 3200 1 1 1 1 1 1 4294967295 4294967295 4294967295 3200 3200 0 1 1 1 1 1 1 1 4294967295 4294967295 4294967295 3200 3200 0 1 1 1 1 1 1-1759.89001 2840 18.7890587 1	target_VehDyn_Perl_HwTorque_HwNm_f32 target_VehDyn_Perl_MotorVelCRF_MtRadpS_f32 target_VehDyn_Perl_SelHwPos_HwDeg_f32 target_VehDyn_Perl_SensorlessAuthority_Uis_f32 target_VehDyn_Perl_SensorlessAuthority_Uis_f32 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Perl_VehicleSpeedKplf32 -360 1440.10999 10 1350 3200 8.8000019 1 512 Expected Value 1 4294967295 4294967295 3200 3200 ± 0.009 3200 3200 ± 0.009 1 1 4294967295 4294967295 3200 3200 ± 0.009 1 1 1 1 4294967295 4294967295 3200 3200 ± 0.009 3200 3200 ± 0.009 0 0 1 1 4294967295 4294967295 4294967295 4294967295 4294967295 42

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.3 (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	

2014-09-19, 20:47:45+0530



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
	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	200.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.099985
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	2.49999994e-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	369.15799
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00025099999
VehDyn SLPHwAuth Uls M f32	0.986999989
VehDyn SLPHwPos HwDeg M f32	-1589.15002
k_HiSpdVDAuthority_UIs_f32	0.89999976
k_LoSpdVDAuthority_UIs_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_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
312 7 7 2 1 2 1 2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038

2014-09-19, 20:47:45+0530



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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001	2600.1001 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514	274107514	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	375.23999	375.23999	✓
veilbyii_maxoliset_mwbeg_m_i32	373.23888	3/3.23888	

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	58869 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 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	457.399994 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 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 VehDyn_SLPHwPos_HwDeg_M_f32	0.972000003 -1578.89001		
k_HiSpdVDAuthority_UIs_f32	0.34999994		
k LoSpdVDAuthority Uls 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_HwI		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDotarget_VehDyn_Per1_HwTorque_Hw	-	
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hv	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHw	Pos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCF	RF_MtrNm_f32	
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	_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 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	9.5 800.869995		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	200.839996		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	512		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812	328928812	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VEHDYH AUIOCHIIDEISPO IVI SII.FIIIEI HIIIIAIIZEO CHI IQC			,

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812	328928812	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-374.149994	-374.149994	~
VehDyn_MinOffset_HwDeg_M_f32	-1432.46997	-1432.46997	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20166588	3.20166588 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.889999986	0.889999986 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.5 (Repeat Count = 1)	Invest Value
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
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
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.53000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000653999974
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	456.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	64.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
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	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859000022
VehDyn_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 Igc	0

2014-09-19, 20:47:45+0530



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	84.1999969		
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		
	54822322		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32			
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	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 Igc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	379.141998		
VehDyn MinOffset HwDeg M f32	-1425.78601		
	-5.4000001		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	0.000253000006		
VehDyn_PinTrqSV_M_str.K_Uls_f32			
VehDyn_SLPHwAuth_Uls_M_f32	0.957000017		
VehDyn_SLPHwPos_HwDeg_M_f32	-1568.63		
k_HiSpdVDAuthority_UIs_f32	0.660000026		
k_LoSpdVDAuthority_Uls_f32	0.800000012		
k_SysKinRatio_MtrDegpHwDeg_f32	86.1999969		
k_TravelXCDeadband_Uls_f32	4.13000011		
k_TravelXCHwAuthority_UIs_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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
	target VehDyn Per1 RelHwPos HwDeg f	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target VehDyn Per1 VehicleSpeed Kph f32.value	256.640015		
Name	Actual Value	Expected Value	Result
		•	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3039943680	3039943680	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995	-1887.19995 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	
			-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	54822322	~
	0550450005	2553156835	■
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2000100000	

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	379.141998	379.141998	~
VehDyn_MinOffset_HwDeg_M_f32	574.469971	574.469971	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40085077	-5.40085077 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.660000026	0.660000026 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
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 AutoCntrDetSpd M str.MtrVel MtrRadpS f32	73.4000015
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	64.400015
ehDyn AutoCntrDetSpd M str.FiltPinTrg 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 Igc	0
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	566.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.7999992
ehDyn AutoCntrHiSpd M str.FiltPinTrg 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.ReinwPosFitt25v_HwDeg_str.R_Uis_132	1
enDyn_AutoCntrHispd_M_str.Filter1Enable_Cnt_igc ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_igc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1mitialized_Cnt_lgc	1
ehDyn_AutoCntrhispd_w_str.Filter2filitialized_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	73.1999969
enbyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	64.3000031
	9.1999981
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981 86.3000031
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031 53759
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
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 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1887.19995 2.61999994e-005

2014-09-19, 20:47:45+0530



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		
VehDyn_MinOffset_HwDeg_M_f32	-1419.10205		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000254000013		
VehDyn_SLPHwAuth_Uls_M_f32	0.941999972		
VehDyn_SLPHwPos_HwDeg_M_f32	-1558.37		
k_HiSpdVDAuthority_UIs_f32	0.870000005		
k_LoSpdVDAuthority_UIs_f32	0.69999988		
k_SysKinRatio_MtrDegpHwDeg_f32	56.5		
k_TravelXCDeadband_Uls_f32	5.57000017 0.0190750007		
k_TravelXCHwAuthority_UIs_f32 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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_(_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1419.37		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	407.960999		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.25		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810	0700400040	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2700420010	2760420810	~
veribyii_Autocritibetspu_ivi_str.ixerriwr osi iit.13v_11wbeg_str.3v_ois_i3z	-1887.19995	-1887.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32		-1887.19995 ± 0.009 2800.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-1887.19995 2800.19995 1	-1887.19995 ± 0.009 2800.19995 ± 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	-1887.19995 2800.19995 1	-1887.19995 ± 0.009 2800.19995 ± 0.009 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-1887.19995 2800.19995 1 1 1	-1887.19995 ± 0.009 2800.19995 ± 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	-1887.19995 2800.19995 1 1 1 0	-1887.19995 ± 0.009 2800.19995 ± 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 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	-1887.19995 2800.19995 1 1 1 1 0 1316564736	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 0 1316564736	
VehDyn_AutoCntrDetSpd_M_str.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	-1887.19995 2800.19995 1 1 1 1 0 1316564736 2967684784	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 0 1316564736 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.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	-1887.19995 2800.19995 1 1 1 0 1316564736 2967684784 -1753.09998	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 0 1316564736 2967684784 -1753.09998 ± 0.009	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	-1887.19995 2800.19995 1 1 1 1 0 1316564736 2967684784 -1753.09998 -1438.30005 0 0 1 1316564736 2760420810 -1887.19995 2800.19995 0 1	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 1 0 1316564736 2967684784 -1753.09998 ± 0.009 -1438.30005 ± 0.009 0 0 1 1316564736 2760420810 -1887.19995 ± 0.009 2800.19995 ± 0.009 0 1	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1887.19995 2800.19995 1 1 1 1 0 1316564736 2967684784 -1753.09998 -1438.30005 0 0 1 1316564736 2760420810 -1887.19995 2800.19995 0 1 1	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 1 0 1316564736 2967684784 -1753.09998 ± 0.009 -1438.30005 ± 0.009 0 0 1 1316564736 2760420810 -1887.19995 ± 0.009 2800.19995 ± 0.009 0 1	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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	-1887.19995 2800.19995 1 1 1 1 1 0 1316564736 2967684784 -1753.09998 -1438.30005 0 0 1 1316564736 2760420810 -1887.19995 2800.19995 0 1 1 1	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 1 0 1316564736 2967684784 -1753.09998 ± 0.009 -1438.30005 ± 0.009 0 1 1316564736 2760420810 -1887.19995 ± 0.009 2800.19995 ± 0.009 0 1 1 1	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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	-1887.19995 2800.19995 1 1 1 1 1 0 1316564736 2967684784 -1753.09998 -1438.30005 0 0 1 1316564736 2760420810 -1887.19995 2800.19995 0 1 1 1 1 0 1	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 1 0 1316564736 2967684784 -1753.09998 ± 0.009 -1438.30005 ± 0.009 0 1 1316564736 2760420810 -1887.19995 ± 0.009 2800.19995 ± 0.009 0 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.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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.112SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-1887.19995 2800.19995 1 1 1 1 1 0 1316564736 2967684784 -1753.09998 -1438.30005 0 0 1 1316564736 2760420810 -1887.19995 2800.19995 0 1 1 1 1 0 1 0 1	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 1 0 1316564736 2967684784 -1753.09998 ± 0.009 0 0 1 1316564736 2760420810 -1887.19995 ± 0.009 2800.19995 ± 0.009 0 1 1 1 1 0 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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1887.19995 2800.19995 1 1 1 1 1 0 1316564736 2967684784 -1753.09998 -1438.30005 0 0 0 1 1316564736 2760420810 -1887.19995 2800.19995 0 1 1 1 0 407.960999	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 1 0 1316564736 2967684784 -1753.09998 ± 0.009 -1438.30005 ± 0.009 0 0 1 1316564736 2760420810 -1887.19995 ± 0.009 2800.19995 ± 0.009 0 1 1 1 0 407.960999	
VehDyn_AutoCntrDetSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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 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_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	-1887.19995 2800.19995 1 1 1 1 1 0 1316564736 2967684784 -1753.09998 -1438.30005 0 0 1 1 1316564736 2760420810 -1887.19995 2800.19995 0 1 1 1 0 407.960999 -1419.37	-1887.19995 ± 0.009 2800.19995 ± 0.009 1 1 1 1 0 1316564736 2967684784 -1753.09998 ± 0.009 -1438.30005 ± 0.009 0 0 1 1316564736 2760420810 -1887.19995 ± 0.009 2800.19995 ± 0.009 0 1 1 1 0 407.960999 -1419.37	





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-899.799927	-899.799988 ± 0.1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

est Step 2.7 (Repeat Count = 1) ame	Input Value
	target_DtrmnElapsedTime_mS_u32_ElapsedTime
trmnElapsedTime_mS_u32(ElapsedTime)	target_GetSystemTime_mS_u32_CurrentTime
etSystemTime_mS_u32(CurrentTime)	
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.099985
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
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	631.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.2299995
hDyn_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	3174948759
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000167299993
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6999998
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.7000008
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.6999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7000008
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.66000006e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn HiSpdLearnt Cnt M Igc	1
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	389.126007
ehDyn_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_Uls_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_t	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	g_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_I	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kp	h_t32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1413.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	418.868011		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.75		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.69995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.1399994		n u
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.09998	-1753.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998 0	-1438.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2075080192	2075080192	*
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012	935.200012 ± 0.0009	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	_
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295	4290967295	~
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2967684784	2967684784	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1753.09998	-1753.09998 ± 0.009	~
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.09998	-1438.09998 ± 0.009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	418.868011	418.868011	~
VehDyn_MinOffset_HwDeg_M_f32	-1413.10999	-1413.10999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50220323	1.50220323 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	<u> </u>
·			

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	V



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
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	56.2999992
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.2999992
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.5599998e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00066000002
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/enDyn_AutoCntrDetSpd_m_str.Hiter2Initialized_Cnt_igc /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.5
/enDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.1000004
/enDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3
/enDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeq_f32	85.4000015
/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	3382212733
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000207999998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1988.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
/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	56.2999992
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.30000019
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.5
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.7e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00066000002
/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 /ehDyn_LoSpdLearnt_Cnt_M_lgc	0
/ehDyn_MaxOffset_HwDeg_M_f32	394.118011 -1405.73401
/ehDyn_MinOffset_HwDeg_M_f32 /ehDyn_PinTrqSV_M_str.SV_Uls_f32	-1405.73401 -1.60000002
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000255999999
/ehDyn_PirtriqSv_ivi_str.k_ois_i32 /ehDyn_SLPHwAuth_Uls_M_f32	0.0002559999999
/ehDyn_SLPHwPos_HwDeg_M_f32	-1537.84998
:_HiSpdVDAuthority_Uls_f32	0.456
:_InspdVDAuthority_Uis_i32	0.230000004
<pre><_cospuvDAutionty_ois_is2</pre> <pre><_SysKinRatio_MtrDegpHwDeg_f32</pre>	85.099985
C_Syskiirkatio_mit_begprivbeg_is2	8.4499981
TravelXCHwAuthority Uls f32	0.0215249993
arget DtrmnElapsedTime mS u32 ElapsedTime	3437401088
arget_GetSystemTime_mS_u32_CurrentTime	954802432
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
0	target_VehDyn_Per1_HwTorque_HwNm_f32





Isage_Re_Inst_Ap_VehDy_NebPr_Br_All_NoteOn_CER_MitRatips_IZ2 Isage_Re_Inst_Ap_VehDy_NebPr_All_NoteOn_CER_MitRatips_IZ2 Isage_Re_Inst_Ap_VehDy_NebDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_Re_Inst_Ap_VehDy_NebDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_Re_Inst_Ap_VehDy_NebDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_Re_Inst_Ap_VehDy_NebDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_Re_Inst_Ap_VehDy_NebDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_Re_Inst_Ap_VehDy_NebDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_VehDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_VehDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_VehDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_VehDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_VehDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_VehDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_VehDy_Der_IZ_NebDy_Der_Sensoriesakunotry_Uis_IZ2 Isage_VehDy_Der_IZ_NebDy_	Name	Input Value			
Singlet, River, Jan. VenDry Northyn, Part SensoriessAuthority, Uls. 122 Integet, River, Jan. VenDry Northyn, Part SensoriessAuthority, Uls. 122 Integet, River, Jan. VenDry Northyn, Part SensoriessAuthority, Uls. 122 Integet, River, Jan. VenDry Northyn, Part Veniciospeed Vall C m.l.go Integet, VenDry, Part Veniciospeed Vall C m.l.go Integet,	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtr	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
sarget, Ris. mat, Ap. VerD/m VerD/m, Pert SensoriessHwPos_Habog_122 target, Ris. mat, Ap. VerD/m Nebbyn, Pert Torquac/CRRF. Mixthn 122 target, Ris. mat, Ap. VerD/m VerD/m Pert VerbickSpeed/Xalid, Cnt. go	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
sarget, Rie. Inst. Ap, VeriDyn-NerDyn-Pert VerhickSpeed Kph. 32	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	target VehDyn Per1 SensorlessHwPos HwDeg f32		
sarget, Rie. Inst. Ap, VeriDyn-NerDyn-Pert VerhickSpeed Kph. 32	target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF I	MtrNm f32		
sarget_VehDyn_Per1_CwEOT_HwDeg_TS2 value .1-066_Seped_Kph_GS2 sarget_VehDyn_Per1_CwEOT_HwDeg_TS2 value .1-066_Seped_Kph_GS2 sarget_VehDyn_Per1_CwEOT_HwDeg_TS2 value .1-066_Seped_Kph_GS2 sarget_VehDyn_Per1_Morarive(EFK_MTRadpS_GS2 value .1-066_Seped_Kph_GS2 sarget_VehDyn_Per1_InvitrovalCFK_MTRadpS_GS2 value .1-068_Seped_Kph_GS2 value			_		
starget_VehDyn_Pert_DetCT_MeNDeg_122_value 22.774994					
starget_VehDyn_Pert_DetCT_MevDeg_152_value			_		
sarget_VehDyn_Per1_HirtOrque_HivMm_132 value 158 119995 158 11995 158 119995 158 11995 158		429.774994			
Large_LV-ND/m_PerT_RelH-Wos_HV-Deg_122-value .1482-59998		0			
Large_LV-ND/m_PerT_RelH-Wos_HV-Deg_122-value .1482-59998	target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-158.119995			
Iarget_VehDyn_Pert_VehiolsGepedValld_Cnt_lgc_value 1.5		-1482.59998			
target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc.value		1.5			
Name		1			
Name		25.5799999			
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32			Expected Value	Result	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	VehDvn AllowHiSpdAutoCntr Cnt M lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948759 3174948759 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 753.200012 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 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.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc -1988.19995 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 <		1078320779	1078320779	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilitSV_HwDeg_str.SV_Uls_f32	, = , = = = =			~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filler1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filler2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filler2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3382212733 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilltSV_HwDeg_str.SV_Uls_f32 4888.299988 -888.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilltSV_HwDeg_str.SV_Uls_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filler1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filler1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filler2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filler2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLicSpd_M_str.Timer1_ms_u32 954802432 954802432 954802432 VehDyn_AutoCntrLicSpd_M_str.Filler1Enable_Cnt_lgc 1 1 1 Veh				•	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc		753.200012			
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 3382212733 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc -888.299988 -888.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0				_	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -888.299988 -888.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_UIs_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 914948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 935,200012 935,200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc					
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3382212733 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_f32 -888.299988 -888.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1				_	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 3382212733 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -888.299988 -888.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_UIs_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Entable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLiSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Anable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Bnable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0					
VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 3382212733 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.SV_UIs_f32 -888.299988 -888.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.SV_UIs_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1374948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 <		954802432	954802432	_	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiitISV_HwDeg_str.SV_UIs_f32 -888.299988 -888.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Spd_IIISV_HwDeg_str.SV_UIs_f32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 0 0 VehDyn_BilspdLearnt_Cnt_M_Igc 0 0 <td></td> <td></td> <td></td> <td></td>					
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 0 VehDyn_EnSpdLearnt_Cnt_M_lgc 0 0				•	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 4 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 4 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 4 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 4 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 4 VehDyn_Initialize_Cnt_M_lgc 0 0 0 <td></td> <td>-1988.19995</td> <td>-1988.19995 ± 0.009</td> <td></td>		-1988.19995	-1988.19995 ± 0.009		
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VehDyn_AutoCntrHISpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948759 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_Au				✓	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 954802432 954802432 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 0.230000004 ± 0.004					
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_HispdLearnt_Cnt_M_Igc 0 0 VehDyn_Initialize_Cnt_M_Igc 1 1 VehDyn_LoSpdLearnt_Cnt_M_Igc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004					
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HispdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004					
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59958589 -1.59958589 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.230000004 0.230000004 ± 0.004				_	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004					
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 ✓ VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004 ✓				_	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 ✓ VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004 ✓					
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 ✓ VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004 ✓				✓	
VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 ✓ VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004 ✓					
VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 ✓ VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 ✓ VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004 ✓					
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59958589 -1.59958589 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.230000004 0.230000004 ± 0.004					
VehDyn_MaxOffset_HwDeg_M_f32 394.118011 394.118011 ✓ VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004 ✓		· .	•		
VehDyn_MinOffset_HwDeg_M_f32 75.75 75.75 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59958589 -1.59958589 ± 0.000009 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.230000004 0.230000004 ± 0.004 ✓		•	-		
VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59958589 -1.59958589 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.230000004 0.230000004 ± 0.004				-	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.230000004 0.230000004 ± 0.004 ✓					
0 = 7 = = 7 = =					
	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1		

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.9 (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 lgc	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.099976	-888.099976 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998	-1988.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708	3589476708	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.5	425.5 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.09998	1988.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.099976	-888.099976 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998	-1988.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	399.109985	399.109985	~
VehDyn_MinOffset_HwDeg_M_f32	-647.48999	-647.48999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7947874	-14.7947874 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.123000003	0.123000003 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.10 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530

VehDyn_Per1



· -			
Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	2 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	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	75.5		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 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 VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn Initialize Cnt M Igc	0		
VehDyn LoSpdLearnt Cnt M Igc	0		
VehDyn MaxOffset HwDeg M f32	404.10199		
VehDyn_MinOffset_HwDeg_M_f32	-1392.36597		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999985		
VehDyn_SLPHwAuth_Uls_M_f32	0.882000029		
VehDyn_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 0.0239749998		
k_TravelXCHwAuthority_UIs_f32			
target_OtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	463842816 824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwD	en f32	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque Hwl	-	
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF I	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth	nority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwF	Pos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCR	F_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedV		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1394.32996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	451.588989		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.30000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.455994 456.100006		
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	35.8899994		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Resu
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861	2345892861	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708	3589476708	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012	425.200012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005	1988.30005 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995	-2000.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012	425.200012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005	1988.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	451.588989	451.588989	~
VehDyn_MinOffset_HwDeg_M_f32	-1394.32996	-1394.32996	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.79356	17.79356 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.882000029	0.882000029 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1517.32996	-1517.32996 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.11 (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

2014-09-19, 20:47:45+0530



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.FiltPinTrq_HwNm_f32	2.79999995		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995 0.000666000007		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn Initialize Cnt M Igc	0		
VehDyn LoSpdLearnt Cnt M Igc	1		
VehDyn_MaxOffset_HwDeg_M_f32	409.093994		
VehDyn_MinOffset_HwDeg_M_f32	-1385.68201		
VehDyn PinTrgSV 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_UIs_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_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_	·-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_M target_VehDyn_Per1_VehicleSpeedValid	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target VehDyn Per1 CcwEOT HwDeg f32.value	-1388.06995	_102	
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_Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.4199982		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998	-2000.09998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 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	0	0	✓
	0 1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc			~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1	1	
	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 1 309385728	1 1 309385728	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 1 309385728 4004004657	1 1 309385728 4004004657	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 1 309385728 4004004657 1900.30005	1 1 309385728 4004004657 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_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1 1 309385728 4004004657 1900.30005 -2400.1001 0	1 1 309385728 4004004657 1900.30005 ± 0.009 -2400.1001 ± 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_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 1 309385728 4004004657 1900.30005 -2400.1001 0 1	1 1 309385728 4004004657 1900.30005 ± 0.009 -2400.1001 ± 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_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 1 309385728 4004004657 1900.30005 -2400.1001 0 1	1 1 309385728 4004004657 1900.30005 ± 0.009 -2400.1001 ± 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_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 1 309385728 4004004657 1900.30005 -2400.1001 0 1	1 1 309385728 4004004657 1900.30005 ± 0.009 -2400.1001 ± 0.009 0 1	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998	-2000.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	462.496002	462.496002	~
VehDyn_MinOffset_HwDeg_M_f32	-1388.06995	-1388.06995	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00006962	-7.00006962 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.278719991	0.278719991 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-99.9399414	-99.9400024 ± 0.1	•

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

ame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_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	4.900001
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	96.099985
ehDyn AutoCntrHiSpd M str.FiltPinTrq 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.Timer1_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1900.09998
ehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_ois_is2	0.0003708
ehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.R_Uis_i32	2800.30005
, =	0.000798000023
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000/98000023
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.099985
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.1999969
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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

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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	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	414.085999		
VehDyn_MinOffset_HwDeg_M_f32	-1378.99805		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000260000001		
VehDyn_SLPHwAuth_Uls_M_f32	0.851999998		
VehDyn_SLPHwPos_HwDeg_M_f32	-1496.81006		
k_HiSpdVDAuthority_UIs_f32	0.277799994		
k_LoSpdVDAuthority_UIs_f32			
k_SysKinRatio_MtrDegpHwDeg_f32	41.5		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	14.21		
	0.0264250003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408		
target_GetSystemTime_mS_u32_CurrentTime	4164171008	22	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f2		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR	· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph	_132	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1381.81006		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	473.403015 8.85000038		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1235.09998		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	2600.6001		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	8.80000019		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.8800011		
Name	Actual Value	Expected Value	Resul
		Expected Value	Resui
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810	2760420810	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657	4004004657	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.30005	1900.30005 ± 0.009	_
VahDun AutoCateDatCad M ats Filters Frable Cat Inc	-2400.30005	-2400.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-2400.30005 1	-2400.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	-2400.30005 1 1	-2400.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-2400.30005 1 1 0	-2400.30005 ± 0.009 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.30005 1 1 0 0	-2400.30005 ± 0.009 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	-2400.30005 1 1 0 0 4164171008	-2400.30005 ± 0.009 1 1 0 0 4164171008	
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	-2400.30005 1 1 0 4164171008 4211268631	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 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	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 0.009	
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	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005 0	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 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_AutoCntrDetSpd_M_str.Filter2Initialized_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	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005 0	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 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_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	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005 0 0	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005 0 0 1	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 0.009 0 0	
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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.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005 0 0 1 4164171008 4004004657 1900.30005 -2400.30005 0 1 1 0 0 1	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 0.009 0 1 4164171008 4004004657 1900.30005 ± 0.009 -2400.30005 ± 0.009 0 1 1 0 0 1	
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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_AutoCntrHoSpd_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.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 VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005 0 0 1 4164171008 4004004657 1900.30005 -2400.30005 0 1 1 0 0 -2127.19702	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 0.009 0 1 4164171008 4004004657 1900.30005 ± 0.009 -2400.30005 ± 0.009 1 1 0 0 1 1 0 -2127.19702	
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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005 0 0 1 4164171008 4004004657 1900.30005 -2400.30005 0 1 1 0 0 1 1 0 -2127.19702 -1378.99805	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 0.009 0 1 4164171008 4004004657 1900.30005 ± 0.009 -2400.30005 ± 0.009 1 1 0 0 1 1 0 -2127.19702 -1378.99805	
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_AutoCntrHiSpd_M_str.Filter2Initialized_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 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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-2400.30005 1 1 0 0 4164171008 4211268631 -1900.09998 2800.30005 0 0 1 4164171008 4004004657 1900.30005 -2400.30005 0 1 1 0 0 -2127.19702	-2400.30005 ± 0.009 1 1 0 0 4164171008 4211268631 -1900.09998 ± 0.009 2800.30005 ± 0.009 0 1 4164171008 4004004657 1900.30005 ± 0.009 -2400.30005 ± 0.009 1 1 0 0 1 1 0 -2127.19702	





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1496.81006	-1496.81006 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name	Input Value
	•
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.7999992
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.60999991e-006
/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
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999
VehDyn_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
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.099985
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.099985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
/ehDyn_AutoCntrLoSpd_M_str.Timer17fflesfi_ffiS_u10	53946
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/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_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	2.90000007e-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_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	419.078003
VehDyn MinOffset HwDeg M f32	-1372.31396





Name	Inmut Value		
Name VehDyn_PinTrqSV_M_str.SV_UIs_f32	Input Value 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_UIs_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	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	:nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f:	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.309998		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.199997		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	· ·		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784 4211268631	2967684784	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5	4211268631	-
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001	-1900.5 ± 0.009 2800.1001 ± 0.009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Ehable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	-
VehDyn HiSpdLearnt Cnt M Igc	1	1	-
VehDyn_Initialize_Cnt_M_lgc	1	1	-
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	-
VehDyn_MaxOffset_HwDeg_M_f32	419.078003	419.078003	
	7 10.07 0000	710.070000	
	1025 18994	1025 18994	
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrnSV_M_str_SV_UIs_f32	1025.18994 15.1936579	1025.18994 15 1936579 + 0 00009	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1936579	15.1936579 ± 0.00009	~
			· ·

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	_





t Value L_DtrmElapsedTime_mS_u32_ElapsedTime t_GetSystemTime_mS_u32_CurrentTime t_Rie_Inst_Ap_VehDyn 9999 99998 00004 999985 7 9 948759 .30005 00003e-006 6671999995 99998 000015 9 212733 2322 5 4452200009 5 801999995
GetSystemTime_mS_u32_CurrentTime t_Rte_Inst_Ap_VehDyn 9999 99998 00004 99985 7 9 948759 2.30005 00003e-006 3.6671999995 99988 99998 00015 9 212733 2322 5 4452200009 5
Rete_Inst_Ap_VehDyn 9999 99998 00004 99985 7 9 948759 2.30005 00003e-006 3.6671999995 99985 99998 00015 9 212733 2322 5 4452200009 5
99999 99998 00004 99985 7 9 948759 00003e-006 6 6671999995 99988 99998 00015 9 212733 22322 5 4452200009 5
99998 00004 99985 7 9 948759 00003e-006 6671999995 99985 99998 00015 0212733 22322 5 4452200009 5
99998 00004 99985 7 9 948759 00003e-006 6671999995 99985 99998 00015 0212733 22322 5 4452200009 5
00004 99985 7 9 94875930005 00003e-006 6 671999995 99988 99998 00015 9 212733 2322 5 4452200009 5
99985 7 9 948759300053
7 9 948759 2.30005 00003e-006 3 671999995 99985 99998 00015 9 212733 2322 5 4452200009 5
9. 948759 9. 90005 90003e-006 9016 999985 99998 900015 90127733 92322 95 9452200009 95
948759 .30005 .00003e-006 .6671999995 99985 .99998 .00015 .212733 .2322 .5 .452200009 .5
30005 30005 30005 30005 30006 30009 30009 30005 300
00003e-006 671999995 99985 99998 00015 9212733 22322 5 4452200009 5
00003e-006 671999995 99985 99998 00015 9212733 22322 5 4452200009 5
671999995 99985 99998 00015 9212733 22322 5452200009 5
671999995 99985 99998 00015 9 212733 2322 5 4452200009 5
99985 99998 00015 9 212733 2322 5 452200009
99998 00015 9 212733 2322 5 4452200009
00015 9 212733 2322 5 452200009 5
9 212733 2322 5 452200009 5
9 212733 2322 5 452200009 5
212733 2322 5 452200009 5
212733 2322 5 452200009 5
2322 5 452200009 5
5 452200009 5
452200009 5
5
801999995
9999
99997
00004
00008
7
948759
.30005
00001e-005
3.30005
67199995
70007
6.63
261999987
000027
29004
999976
5555.5
00031
00002
8750008
378688
357312
357312 t_VehDyn_Per1_CcwEOT_HwDeg_f32 t VehDyn Per1 CwEOT HwDeg f32
5 2 6 9





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	/_Uls_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_M	trNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	_	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph		
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	4.4000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.140015		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	- 100UII
VehDyn_AitoCntrDetSpd M str.Timer1 mS u32	3174948759	3174948759	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438	-1438 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoChtrDetSpd M str.Filter1Initialized Cnt Igc	0	0	
	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	
, - ,	54822322	54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-753.5	-753.5 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.5	1950.5 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	Y
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	Y
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	495.21701	495.21701	~
VehDyn_MinOffset_HwDeg_M_f32	-1369.29004	-1369.29004	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9977865	13.9977865 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.822000027	0.822000027 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1476.29004	-1476.29004 ± 0.1	✓

Τ			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.15 (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	

2014-09-19, 20:47:45+0530



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_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	-1363.03003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	506.123993
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1253.09998





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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5	-753.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.19995	1950.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	109643620	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995	1885.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5	-753.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.19995	1950.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	506.123993	506.123993	~
VehDyn_MinOffset_HwDeg_M_f32	-1363.03003	-1363.03003	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89533329	8.89533329 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.16 (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

2014-09-19, 20:47:45+0530

VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004		
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97		
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	164464918		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000533599989		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.100006		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000806000025		
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	350.5		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.300003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.3000031		
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	109643620		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.299988		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV_HwDeg str.K Uls f32	3.02000008e-005		
, , , , , , , , , , , , , , , , , , , ,			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000676000025		
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	434.053986		
VehDyn_MinOffset_HwDeg_M_f32	-1352.26196		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000264000002		
VehDyn_SLPHwAuth_Uls_M_f32	0.791999996		
VehDyn_SLPHwPos_HwDeg_M_f32	-1455.77002		
k_HiSpdVDAuthority_UIs_f32	0		
k LoSpdVDAuthority Uls f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	97.0999985		
k_TravelXCDeadband_Uls_f32	19.9699993		
k_TravelXCHwAuthority_Uls_f32	0.0313250013		
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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1356.77002	-	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	517.031006		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.0999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75.9800034		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	109643620	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5	1885.5 ± 0.009	
	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918	164464918	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.100006	142.100006 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2167769344	2167769344	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620	109643620	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5	1885.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-236.468994	-236.468994	~
VehDyn_MinOffset_HwDeg_M_f32	-1352.26196	-1352.26196	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.896863	13.896863 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.791999996	0.791999996 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1455.77002	-1455.77002 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.17 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	136.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.64999994e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000677999982
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	350.100006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.099985
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	219286216
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000574300007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

2014-09-19, 20:47:45+0530



Vasibly Automicing M. definer instance Cre. Ign	Name	Input Value		
Velicin AutoContent M. at Mine Mines Coll. 20 105	VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VeCON_AutContacked_M_mink_Planing_N_mink_Planing_				
1865				
Linear L				
Vestion_Authoritised M Trent Times media 15070				
Verbiny, AutoContesting J. W., Terest Training, 785, 148 Verbiny, AutoContesting J. W., Terest Training, 202 Verbiny, AutoContesting, 20				
Vesting AuthOration(Sept Med Trimer(1) media) and SI22				
MARCHELORIDA M. ART PRINTED M. PORE DE TOTAL STATES		52282		
Verbing, Juniciforni Copt, M., and Park-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Junicoffriedge, M., and Sein-Invester 1801, Juniorg. att 50, Us., 122 Verbing, Juniorg. att 50, Us.	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682		
VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. V. Us. 52 VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. V. Us. 52 VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. V. Us. 52 VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. V. Us. 52 VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. V. Us. 52 VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. V. Us. 52 VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. V. VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. VenDry AuthOrtic Clops M. Art Park-In-Verbill 152 / Hookg, pt. VenDry AuthOrtic Clops M. Art V. Us. 52 VenDry And VenDry Art V. Us. 52 VenDry And VenD	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	164464918		
VenDry, AutoContrologio, M. as Priethfore (1928) Hoology, are XV, Us, D2 VenDry, AutoContrologio, M. as Priethfore (Crit, Us) VenDry, National (Crit, Us) VenDry, National (Crit, Us) VenDry, National (Crit, Us) VenDry, National (VenDry, March (
Veeling Justicines colog M. are Reinfermitrick's Mindeg_ art K_Uils_102				
Verbing, Junicoma Segil, Maria Filine Straine, Cort. Igs 1 Verbing, Junicoma Segil, Maria Filine Straine, Cort. Igs 1 Verbing, Junicoma Segil, Maria Filine Straine, Cort. Igs Verbing, Junicoma Segil, Maria Filine Straine, Cort. Igs Verbing, Junicoma Segil, Maria Filine Straine, Cort. Igs Verbing, Michigan, Horizon, Maria Segil, Ma				
WebDy_AbsCortic Sign_M_str_Filter/Similated_Cru_Upc WebDy_AbsCortic Sign_M_str_Filter/Similated_Cru_Upc WebDy_AbsCortic Sign_M_str_Filter/Similated_Cru_Upc WebDy_Binistinc_Cru_M_upc 1				
VenDry AutoContacope M. as FilterIndialized Cnt. ge				
VenDry National Cost Naj Friedrinalized Online				
1		0		
Verborn, Mooffeet, Hubberg, M. 192 Verborn, Mooffeet, Hubberg, M. 192 Verborn, Mooffeet, Hubberg, M. 192 Verborn, Perfors, M. 197 Verborn, SEPharberg, M. 197 Verborn, M. 197 Verborn, SEPharberg, M. 197 Verborn, M. 197 Verborn, SEPharberg, M. 197 Verborn, M.	VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VenDry Michael Hobog M 52	VehDyn_Initialize_Cnt_M_lgc	1		
Verbiny Printfork Must SV, List 122				
Verbyn Partiask M, set K, VI, Is, 132	, = = = = =			
VenDyn PhirToSV M str. M	·			
Verbing SLPHWANT, US 12				
Verboyn, SLPHerbra, Hubberg, M. 192				
IL HSBVTDAHIMONY, UIS, 12				
R. Systinitatio_MthCognithoDog_132 R. TraveRCNCHMAndfronthy_Uis_132 21.4099998 R. TraveRCNCHMANDfronthy_Uis_132 21.40999999 R. R. R. R. R. R. R		0.779999971		
	k_LoSpdVDAuthority_Uls_f32	1		
	k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031		
target_DrimmElapsedTime_mS_u32_CarpaedTime 1316564736				
sarget_Rel_Inst_Ap_VehDyn_Pert_CoxEOT_HWDeg_132 target_VehDyn_Pert_CoxEOT_HWDeg_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_CoxEOT_HWDeg_132 target_VehDyn_Pert_CoxEOT_HWDeg_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_CoxEOT_HWDeg_132 target_VehDyn_Pert_MoreOre_HwMm_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_MoreOre_HwMm_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_MoreOre_HwMm_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_MoreOre_HwMm_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_RelHwPos_HwDeg_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_RelHwPos_HwDeg_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_VehDyn_Pert_RelHwDeg_HwDeg_132 target_VehDyn_Pert_SensoriessAuthority_Uis_132 target_VehDyn_Pert_SensoriessAuthority_Uis_133 target_VehDyn_Pert_Sensorie				
target_Re_inst_Ap_VehDyn_VehDyn_Pert_CoxEOT_HwDeg_132 target_VehDyn_Pert_DoxEOT_HwDeg_132 target_VehDyn_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_HwDright_Pert_PwDright_Pert_HwDright_Pert_PwDright_Pert_HwDright_Pert_PwDright_Pert_PwDright_Pert_PwDright_Pert_PwDright				
target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, LewToT, LewEOT, HwDeg, 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, Microve(CRF, MirRadps, 132 target, YehDyn, Pert, Microve(CRF, MirRadps, 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, Methove(CRF, MirRadps, 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, ReithwFos, HwDeg, 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, ReithwFos, HwDeg, 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, SensoriessAuthority, Uis 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, SensoriessAuthority, Uis 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, SensoriessAuthority, Uis 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, Torque-Grow, Rinkinn, 132 target, VehDyn, Pert, SensoriessAuthority, Uis 132 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert, Torque-Grow, Rinkinn, 132 target, VehDyn, Pert, VehicleSpeed, Kpf, 132 target, VehDyn, Pert, VehicleSpeed, Kpf, 132 target, VehDyn, Pert, Pert, VehicleSpeed, Kpf, 132 target, VehDyn, Pert, CawCOT, HwDeg, 132 value target, VehDyn, Pert, CawCOT, HwDeg, 132 value target, VehDyn, Pert, CawCOT, HwDeg, 132 value target, VehDyn, Pert, MirchVelCRF, MirRadpS, 132 value target, VehDyn, Pert, Morth Grow, Rick, VehDyn, Revent, VehDyn, Pert, Individe Grow, Rick, VehDyn, Pert, Individe Grow, Rick, VehDyn, Pert, Individe Grow, Rick, VehDyn, Pert, VehicleSpeed Kpf, 132 value target, VehDyn, Pert, Individe Grow, Rick, VehDyn, Pert, VehicleSpeed Kpf, 132 value target, VehDyn, Pert, VehicleSpeed, Kpf, 132 value target, VehDyn, Pert, Individe Grow, Rick, VehDyn, Pert, VehicleSpeed, Kpf, 132 value target, VehDyn, Pert, VehicleSpeed, Kpf, 132 value				
larget_Rie_Inst_Ap_VehDpn.VehDpn.Per1_HwTorque_HwNm_52 larget_Rie_Inst_Ap_VehDpn.VehDpn.Per1_MotorVeiCRF_MtrRadpS_52 target_Rie_Inst_Ap_VehDpn.VehDpn.Per1_ReitHwPos_HwDog_52 target_Rie_Inst_Ap_VehDpn.VehDpn.Per1_SensoriessAwDes_HwDog_52 target_Rie_Inst_Ap_VehDpn.VehDpn.Per1_SensoriessAwDes_HwDog_52 target_Rie_Inst_Ap_VehDpn.VehDpn.Per1_SensoriessAwDes_HwDog_52 target_VehDpn.Per1_SensoriessAwDes_HwDog_52 target_VehDpn.Per1_SensoriessAwDes_HwDog_52 target_VehDpn.Per1_SensoriessAwDes_HwDog_52 target_VehDpn.Per1_SensoriessAwDes_HwDog_52 target_VehDpn.Per1_SensoriessAwDes_HwDog_52 target_VehDpn.Per1_SensoriessAwDes_HwDog_52 target_VehDpn.Per1_SensoriessAwDes_HwDog_52 target_VehDpn.Per1_VehicleSpeed_Kpl_52 target_VehDpn.Per1_VehicleSpeed_Kpl				
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larget_Rte_Inst_Ap_VehDyn_Pert_SensortessAuthority_Uls_122 target_Rte_Inst_Ap_VehDyn_Pert_SensortessHwPos_HwDeg_132 target_Rte_Inst_Ap_VehDyn_Pert_SensortessHwPos_HwDeg_132 target_Rte_Inst_Ap_VehDyn_Pert_SensortessHwPos_HwDeg_132 target_Rte_Inst_Ap_VehDyn_Pert_SensortessHwPos_HwDeg_132 target_Rte_Inst_Ap_VehDyn_Pert_VehicleSpeed_Veht_Cnt_Igc target_Rte_Inst_Ap_VehDyn_Pert_VehicleSpeed_Veht_Cnt_Igc target_VehDyn_Pert_OcwECOT_HwDeg_132 value 1-350.51001 target_VehDyn_Pert_CowECOT_HwDeg_132 value 527.937988 527.				
target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDog_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCRFF_MthMn_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedVall_Cnt_Igc target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedVall_Cnt_Igc target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedVall_Cnt_Igc target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDog_f32_value -1:350.51001 target_VehDyn_Per1_WehIcleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDog_f32_value -1:350.51001 target_VehDyn_Per1_MthVarque_HwNm_f32_value -1:550.51001 target_VehDyn_Per1_MthVarque_HwNm_f32_value -1:550.51001 target_VehDyn_Per1_RehIvPos_HwDog_f32_value -1:550.51001 target_VehDyn_Per1_TehIvPos_HwDog_f32_value -1:550.51001 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value -1:550.51001 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value -1:550.51001 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value -1:550.51001 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value -1:550.51001 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value -1:550.51001 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value -1:550.51001 target_VehDyn_AllotCntrDelSpd_Mst_f32_value -1:550.51001 target_VehDyn_AllotCntrDelSpd_Mst	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_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_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed Kph_f32 target_VehDyn_Per1_VehicleSpeed Kph_f32 target_VehDyn_Per1_VehicleSpeed Kph_f32 target_VehDyn_Per1_VehicleSpeed Kph_f32 target_VehDyn_Per1_VehicleSpeed Kph_f32 target_VehDyn_Per1_Mtracque_HnVm_f32_value target_VehDyn_Per1_Mtracque_HnVm_f32_value target_VehDyn_Per1_Mtracque_HnVm_f32_value target_VehDyn_Per1_Mtracque_FnVmb_g_f32_value target_VehDyn_Per1_HnVmcqueCRF_MtrNm_f32_value target_VehDyn_Per1_NtracqueCRF_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_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_AutoCntrDetSpd_M_str.Timer1_mS_u32 target_VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 target_VehDyn_AutoCntrDetSpd_M_str.ReltHnVposFittSV_HnVbeg_str.SV_UIs_f32 target_VehDyn_AutoCntrDetSpd_M_str.ReltHnVposFittSV_HnVbeg_str.SV_UIs_f32 target_VehDyn_AutoCntrDetSpd_M_str.Fitter1Entable_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter1Intalized_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter1Intalized_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_Igc target_VehDyn_AutoCntrDetSpd_M_str.Fit	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeedValid_Cnt_Igc target_VehDyn_Pert_CwEOT_HwDeg_rts_Value target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_CwEOT_HwDeg_rts_Value target_VehDyn_Pert_CwEOT_HwDeg_rts_Value 527.937988 target_VehDyn_Pert_Morroug_HwMm_f32.value 1.10000002 target_VehDyn_Pert_Morroug_HwMm_f32.value 1.10000002 target_VehDyn_Pert_RelHwPos_HwDeg_rts_Value 456.5 target_VehDyn_Pert_RelHwPos_HwDeg_rts_Value 7.80000019 target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc_value 1 target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc_value 1 target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc_value 1 VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 VehDyn_AutoCntrDetSpd_M_str.Timert_mS_u32 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 2500.5 ± .2500.5 ± .009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 142.300003 142.300003 ± .0009 VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt_Igc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt_Igc 0 0 0		target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
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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 Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3796740682 3796740682 3796740682 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 164464918 164464918 46446918 VehDyn_AutoCntrDetSpd_M_str.TelHwPosFittSV_HwDeg_str.SV_Uls_f32 -2500.5 -2500.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 142.300003 142.300003 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3714197504 3714197504 VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 219286216 219286216 219286216 VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.5		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 4 VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 2 3796740682 3796740682 3796740682 4 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 164464918 164464918 4 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -2500.5 -2500.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 142.300003 142.300003 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 219286216 219286216 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 2600.30005 2600.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized	target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1988.09998		
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 164464918 164464918 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -2500.5 -2500.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 142.300003 142.300003 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3714197504 3714197504 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 219286216 219286216 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt3SV_HwDeg_str.SV_Uls_f32 2600.30005 2600.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_				
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -2500.5 -2500.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 142.300003 142.300003 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3714197504 3714197504 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2600.30005 2600.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0				J
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.SV_Uls_f32 142.300003 142.300003 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3714197504 3714197504 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 219286216 219286216 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 2600.30005 2600.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	· - · ·			~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3714197504 3714197504 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 219286216 219286216 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 2600.30005 2600.30005 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 </td <td></td> <td></td> <td>142.300003 ± 0.0009</td> <td>~</td>			142.300003 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3714197504 3714197504 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 219286216 219286216 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 2600.30005 2600.30005 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Init		0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3714197504 3714197504 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 219286216 219286216 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 2600.30005 2600.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3714197504 3714197504 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 219286216 219286216 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 2600.30005 2600.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 219286216 219286216 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2600.30005 2600.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHoSpd_M_str.Timer1_mS_u32 3796740682 3796740682				~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2600.30005 2600.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682				V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682				V
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 ✓				- V
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682				- V
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 ✓				~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682				~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682		0		~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 164464918 ₫		3796740682	3796740682	~
	VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	164464918	164464918	~

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003	142.300003 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	439.04599	439.04599	✓
VehDyn_MinOffset_HwDeg_M_f32	637.589966	637.590027	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.7976656	7.7976656 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.779999971	0.779999971 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-87.9000244	-87.9000015 ± 0.1	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	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	86.099985
/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 Igc	1
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	400.5
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	156
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
/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_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoChtrHiSpd_M_str.Filter1Initialized_Cht_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cht_lgc	1
/ehDyn_AutoCntrhiSpd_ivi_str.Filter2iffiltailized_Cnt_igc /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.299988
enDyn_AutoCntrLoSpd_M_str.WitVel_MitRadpS_132 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.600006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
enbyn_AutoCntrLoSpd_M_str.FittPffnTrq_mwnfff_i32 ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5999985
	20423
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	219286216
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2600.30005 3.0999996e-005

2014-09-19, 20:47:45+0530



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_Igc	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_Uls_f32	3.20000005			
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000265999988			
VehDyn_SLPHwAuth_Uls_M_f32	0.762000024			
VehDyn_SLPHwPos_HwDeg_M_f32	-1435.25			
k_HiSpdVDAuthority_UIs_f32	0.676999986			
k_LoSpdVDAuthority_UIs_f32	0			
k_SysKinRatio_MtrDegpHwDeg_f32	42.5			
k_TravelXCDeadband_Uls_f32	22.8500004 0.0337750018			
k_TravelXCHwAuthority_UIs_f32	2075080192			
target_DtrmnElapsedTime_mS_u32_ElapsedTime 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_132			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f32			
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority Uls 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_			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_			
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	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	357.269989			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657	4004004657	•	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005	2600.30005 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1			
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc		1	-	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
	1	1 0	•	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 0 3323480832	1 0 3323480832	~	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 0 3323480832 274107514	1 0 3323480832 274107514	•	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 0 3323480832 274107514 -2400.19995	1 0 3323480832 274107514 -2400.19995 ± 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	1 0 3323480832 274107514 -2400.19995 -1482.09998	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 1 3323480832	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 1 1 3323480832		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 1 3323480832 219286216	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 1 1 3323480832 219286216		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 1 3323480832 219286216 2600.30005	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 1 3323480832 219286216 2600.30005 ± 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 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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 3323480832 219286216 2600.30005 -1900.5	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 1 3323480832 219286216 2600.30005 ± 0.009 -1900.5 ± 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.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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 1 3323480832 219286216 2600.30005 -1900.5 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 1 3323480832 219286216 2600.30005 ± 0.009 -1900.5 ± 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.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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 3323480832 219286216 2600.30005 -1900.5 0 1	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 1 3323480832 219286216 2600.30005 ± 0.009 -1900.5 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 1 3323480832 219286216 2600.30005 -1900.5 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 1 3323480832 219286216 2600.30005 ± 0.009 -1900.5 ± 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 3323480832 219286216 2600.30005 -1900.5 0 1 1 1	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 1 3323480832 219286216 2600.30005 ± 0.009 -1900.5 ± 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.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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 0 1 3323480832 219286216 2600.30005 -1900.5 0 1 1 1 1 1 1	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 0 1 3323480832 219286216 2600.30005 ± 0.009 -1900.5 ± 0.009 0 1 1 1 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.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	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 1 3323480832 219286216 2600.30005 -1900.5 0 1 1 1 1 1 0 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 0 1 3323480832 219286216 2600.30005 ± 0.009 -1900.5 ± 0.009 0 1 1 1 1 1 0 0		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0 3323480832 2741075142400.199951482.09998 0 0 0 1 3323480832 219286216 2600.300051900.5 0 1 1 1 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 0 1 3323480832 219286216 2600.30005 ± 0.009 0 1 1 1 1 1 1 0 0 1 1 0 0		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.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 VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 0 3323480832 2741075142400.199951482.09998 0 0 0 1 1 3323480832 219286216 2600.300051900.5 0 1 1 1 0 0 1 0 0 538.844971	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 0 1 3323480832 219286216 2600.30005 ± 0.009 0 1 1 1 1 1 1 1 0 1 1		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0 3323480832 2741075142400.199951482.09998 0 0 0 1 3323480832 219286216 2600.300051900.5 0 1 1 1 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 0 1 3323480832 219286216 2600.30005 ± 0.009 0 1 1 1 1 1 1 0 0 1 1 0 538.844971		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Pnitalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 0 3323480832 274107514 -2400.19995 -1482.09998 0 0 0 1 3323480832 219286216 2600.30005 -1900.5 0 1 1 1 0 0 538.844971 -1344.25	1 0 3323480832 274107514 -2400.19995 ± 0.009 -1482.09998 ± 0.009 0 0 0 1 3323480832 219286216 2600.30005 ± 0.009 -1900.5 ± 0.009 0 1 1 1 0 0 538.844971 -1344.25		





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1435.25	-1435.25 ± 0.1	~

T .				~
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Name	Input Value
	•
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_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
VehDyn_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
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000655699987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
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	200.600006
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.300003
	4.5999999
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.2999992
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-2400.6001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.1399999-005
/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_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_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	449.029999
VehDyn MinOffset HwDeg M f32	-1332.20996

2014-09-19, 20:47:45+0530



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_UIs_f32	0		
k_LoSpdVDAuthority_UIs_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004		
k_TraveIXCDeadband_Uls_f32	24.2900009		
k_TravelXCHwAuthority_Uls_f32	0.0350000001 954802432		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	71426560		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	22	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg 132		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001	-2400.6001 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812	328928812	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999	2800.3999 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	274107514 -2400.6001	274107514	
	-1482,30005	-2400.6001 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1482.30005	-1482.30005 ± 0.009	
VehDyn AutoCntrLoSpd M str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	_
VehDyn_MaxOffset_HwDeg_M_f32	549.752014	549.752014	
VehDyn_MinOffset_HwDeg_M_f32	-1337.98999	-1337.98999	_
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.40068007	-5.40068007 ± 0.000009	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.746999979	0.746999979 ± 0.004	·
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1424.98999	-1424.98999 ± 0.1	~
	1		

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓



Test Step 2.20 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_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 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_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	454.022003
VehDyn_MinOffset_HwDeg_M_f32	-1325.526
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000268000003
VehDyn_SLPHwAuth_Uls_M_f32	0.731999993
VehDyn_SLPHwPos_HwDeg_M_f32	-1414.72998
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	53.0999985
k_TravelXCDeadband_Uls_f32	25.7299995
k_TravelXCHwAuthority_UIs_f32	0.0362249985
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080
	2430672128
target_GetSystemTime_mS_u32_CurrentTime	2430072120
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_MtrRad	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	258.880005			
Name	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2160073393	2160073393	•	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	328928812	328928812	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5	1900.5 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	•	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	_	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2430672128	2430672128	•	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	_	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	•	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	•	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1	_	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2430672128	2430672128	✓	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	328928812	328928812	_	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	•	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5	1900.5 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	~	
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	~	
VehDyn HiSpdLearnt Cnt M Igc	0	0	~	
VehDyn Initialize Cnt M Igc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•	
VehDyn_MaxOffset_HwDeg_M_f32	454.022003	454.022003	-	
VehDyn_MinOffset_HwDeg_M_f32	669.810059	669.809998	•	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59967661	7.59967661 ± 0.000009	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.731999993	0.731999993 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1414.72998	-1414.72998 ± 0.1	~	

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.21 (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	

2014-09-19, 20:47:45+0530



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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998	-1438.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005	-1900.80005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.400024	753.400024 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998	-1438.59998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005	-1900.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1441.84399	-1441.84399	~
VehDyn_MinOffset_HwDeg_M_f32	-1318.84204	-1318.84204	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.49902284	1.49902284 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.717000008	0.717000008 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1404.46997	-1404.46997 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.22 (Repeat Count = 1)	✓
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 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	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 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024		
VehDyn_AutoCntrLoSpd_M_str.1Imer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2138628886 753.099976		
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.X_Uls_f32	3.26000008e-005		
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_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 k_SysKinRatio_MtrDegpHwDeg_f32	0.800000012 96.5		
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_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M	/ltrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwP		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_k	Cph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1319.20996 592.473033		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	582.473022		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-7.11999989 -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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	11000
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530

VehDyn_Per1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	582.473022	582.473022	•
VehDyn_MinOffset_HwDeg_M_f32	-1319.20996	-1319.20996	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60149491	-1.60149491 ± 0.000009	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.800000012	0.800000012 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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
ehDyn_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
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	0

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2014-09-19, 20:47:45+0530



Name	Input Value		
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	580.119995		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.5		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1199999		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53759 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	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	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 VehDyn_SLPHwPos_HwDeg_M_f32	0.686999977 -1383.94995		
k_HiSpdVDAuthority_UIs_f32	0		
k_LoSpdVDAuthority_Uls_f32	0.69999988		
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985		
k_TravelXCDeadband_Uls_f32	30.0499992		
k_TravelXCHwAuthority_Uls_f32	0.0399000011		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008		
target_GetSystemTime_mS_u32_CurrentTime	3533260288		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg		
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_ target_VehDyn_Per1_HwTorque_HwNn		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mt		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthor		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	s_HwDeg_f32	
target_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_VehicleSpeedVali		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kp	h_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-1312.94995 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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861	2345892861 -1988.59998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.59998 -753.299988	-753.299988 ± 0.0009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3533260288	3533260288	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002	1988.40002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006	456.100006 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	*
	1.1	1.5	
VehDvn AutoCntrHiSpd M str Filter1Initialized Cnt Inc	1	1	4
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc		1 0	
	1		~





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.59998	-1988.59998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988	-753.299988 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	593.380005	593.380005	•
VehDyn_MinOffset_HwDeg_M_f32	-1312.94995	-1312.94995	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7981377	-14.7981377 ± 0.00009	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.686999977	0.686999977 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1383.94995	-1383.94995 ± 0.1	•

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te 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 Igc	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	4.0999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.099985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
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
· - · ·	0.000859200023
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005 0,000821999973
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	621.5
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.210007
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.1199989
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1988.09998 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	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc			
VehDyn_MaxOffset_HwDeg_M_f32	473.98999 -1298.79004		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000272000005		
VehDyn SLPHwAuth Uls M f32	0.671999991		
VehDyn SLPHwPos HwDeg M f32	-1373.68994		
k HiSpdVDAuthority UIs f32	1		
k_LoSpdVDAuthority_UIs_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_HwDe	eq f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDec		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwN	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_N	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	· -	
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority UIs f32	target_VehDyn_Per1_SensorlessAuth		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwP		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_h		
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998	1988.09998 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994	456.399994 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	812314880	812314880	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	812314880	812314880	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998	1988.09998 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994	456.399994 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	·
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	,
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	-2595.71289	-2595.71289	•
		-1298.79004	
VehDyn_MinOffset_HwDeg_M_f32	-1298.79004		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	-1298.79004 17.7926998 0.400000006	17.7927017 ± 0.00009 0.400000006 ± 0.004	•





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1600	1600 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_Rte_Inst_Ap_VehDyn
7 = 1 = 2 = 0	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_lgc	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
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000899899984
/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_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_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	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
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	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn MaxOffset HwDeg M f32	478.981995
/ehDyn MinOffset HwDeg M f32	-1292.10596





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_TraveIXCDeadband_Uls_f32	32.9300003		
k_TravelXCHwAuthority_UIs_f32	0.0423500016		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312		
target_GetSystemTime_mS_u32_CurrentTime	3437401088	500	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_f target_VehDyn_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF I		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kpl		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810	2760420810	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.59998	1991.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5	-1482.5 ± 0.009	~
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc		0	✓
veribyii_AddoChttDetSpd_iii_Stt.FilterTEhable_Cht_igc	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
		0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0		-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	0	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1	1	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 1 1 3437401088	1 1 3437401088	\rightarrow \frac{1}{2}
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 1 1 3437401088 2967684784 -2000.30005 -753.099976	1 1 3437401088 2967684784	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 1 1 3437401088 2967684784 -2000.30005	1 1 3437401088 2967684784 -2000.30005 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 1 1 3437401088 2967684784 -2000.30005 -753.099976 0	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	0 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886	· · · · · · · · · · · · · · · · · · ·
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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 1 0 2138628886 2760420810 1991.59998	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt28V_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.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt12SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt12SV_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	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0 0	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt28V_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.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt18V_HwDeg_str.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 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0 0 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt28V_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.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt12SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0 0 1 1 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1 0 0 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt28V_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.RelHwPosFilt18V_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt18V_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	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0 0 1 1 1 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1 0 0 1 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0 0 1 1 1 1 1 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1 0 0 1 1 1 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1 0 0 1 1 1 1 1 1 478.981995	· · · · · · · · · · · · · · · · · · ·
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.RelHwPosFilt18V_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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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 VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0 0 1 1 1 1 478.981995 -1292.10596	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1 1 1 1 1 1 478.981995 -1292.10596	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_Auxoffset_HwDeg_M_f32	0 1 1 1 3437401088 2967684784 -2000.30005 -753.099976 0 1 1 0 2138628886 2760420810 1991.59998 -1482.5 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 3437401088 2967684784 -2000.30005 ± 0.009 -753.099976 ± 0.0009 0 1 1 0 2138628886 2760420810 1991.59998 ± 0.009 -1482.5 ± 0.009 1 0 0 1 1 1 1 1 1 478.981995	· · · · · · · · · · · · · · · · · · ·

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~





Test Step 2.26 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_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_Igc	0
VehDyn_AutoCntrliSpd_M_str.Filter2Initialized_Cnt_lgc	
VehDyn_AutoCntrl_sSpd_M_str.MtrVel_MtrRadpS_f32	124.199997 226.100006
VehDyn_AutoCntrl_oSpd_M_str.VehSpd_kph_f32	
VehDyn_AutoCotrl_oSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981 96.0999985
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn AutoCntrLoSpd M str.Timer1Thresh 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	3.4199985e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-753.599976
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00696000003
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_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_UIs_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_UIs_f32	1
k_LoSpdVDAuthority_Uls_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
- 3-2	





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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_MtrN	lm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.769989			
Name	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861	2345892861	✓	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2967684784	2967684784	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998	-2000.09998 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.599976	-753.599976 ± 0.0009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	•	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	~	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3494315776	3494315776	•	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005	1900.30005 ± 0.009	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	•	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1	~	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3494315776	3494315776	✓	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2967684784	2967684784	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998	-2000.09998 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.599976	-753.599976 ± 0.0009	_	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	~	
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0	0	_	
VehDyn HiSpdLearnt Cnt M Igc	0	0	~	
VehDyn Initialize Cnt M Igc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•	
VehDyn_MaxOffset_HwDeg_M_f32	626.101013	626.101013	~	
VehDyn_MinOffset_HwDeg_M_f32	-1294.17004	-1294.17004	•	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.3003788	6.3003788 ± 0.000009	~	
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.870000005	0.870000005 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~	

T			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.27 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	

2014-09-19, 20:47:45+0530



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.Timer2Thresh_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 Igc	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
, - , , -, -	8.1000038
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
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_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	488.966003
VehDyn_MinOffset_HwDeg_M_f32	-1278.73804
VehDyn_PinTrqSV_M_str.SV_Uls_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_UIs_f32	0.20000003
k_SysKinRatio_MtrDegpHwDeg_f32	52.099985
k_TravelXCDeadband_Uls_f32	35.8100014
k_TraveIXCHwAuthority_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_venbyn.venbyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_inst_Ap_venbyn.venbyn_rer1_mwrtinque_mwrtin_i32 target_Rte_inst_Ap_venbyn.venbyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_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	-1287.91003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	637.007996
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.55000019
target_veribyn_r er i_riwrorque_riwini_ioz.value	





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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.59998	1900.59998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988	456.799988 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	463842816	463842816	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002	-1482.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.59998	1900.59998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988	456.799988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	637.007996	637.007996	~
VehDyn_MinOffset_HwDeg_M_f32	-1287.91003	-1287.91003	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	15.1978722	15.1978722 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.626999974	0.626999974 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1342.91003	-1342.91003 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.28 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784 3589476708		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_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_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.0999985		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810 3382212733		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 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_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	493.958008		
VehDyn_MinOffset_HwDeg_M_f32	-1272.05396		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000276000006		
VehDyn_SLPHwAuth_Uls_M_f32	0.611999989		
VehDyn_SLPHwPos_HwDeg_M_f32 k_HiSpdVDAuthority_UIs_f32	1		
k_LoSpdVDAuthority_Uls_f32	0.649999976		
k_SysKinRatio_MtrDegpHwDeg_f32	1		
k TravelXCDeadband Uls f32	37.25		
k_TravelXCHwAuthority_Uls_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_H	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_h	HwNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpee		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee -1281.65002	u_npii_132	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	647.914978 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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810	2760420810	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.80005	-1900.80005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.90002	-1482.90002 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
V 1 D A 1 O 1 D 10 1 M 1 ETH 41 W E 1 O 1 1			

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708	3589476708	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998	1900.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.80005	-1900.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.90002	-1482.90002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-1302.21509	-1302.21497	~
VehDyn_MinOffset_HwDeg_M_f32	-1272.05396	-1272.05396	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9968786	13.9968786 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.649999976	0.649999976 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.29 (Repeat Count = 1)	1 441
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	44.2999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.3000031
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	72.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.77000004e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00070199999
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	86.3000031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	64
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	92.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
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	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106269994
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000831999991
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1

2014-09-19, 20:47:45+0530



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 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	53946 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_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn Initialize Cnt M Igc	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 k_TravelXCHwAuthority_Uls_f32	38.6899986 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_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hwl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_I	MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hwl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRi target_VehDyn_Per1_VehicleSpeedV		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_l		
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 62.8899994		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	Actual Value	Europeta d Value	Danulé
Name VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	Expected Value	Result
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2967684784	2967684784	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708	3589476708	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.90002	-1482.90002 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005	1900.80005 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCotrl IiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_UIs_f32	752 200042	-753.200012 ± 0.0009	
	-753.200012 -1900.40002	-1900 40002 ± 0 000	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str_Filter1Enable_Cnt_lac	-1900.40002	-1900.40002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1900.40002 0	0	•
	-1900.40002		•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1900.40002 0 1	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1900.40002 0 1	0 1 1	\(\frac{1}{2}\)

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.90002	-1482.90002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005	1900.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	-1226.578	-1226.578	~
VehDyn_MinOffset_HwDeg_M_f32	-1265.37	-1265.37	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89964294	8.89964294 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.597000003	0.597000003 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1322.39001	-1322.39001 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
htrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
tte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	96.4000015
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	64.4000015
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	92.4000015
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	13059
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948759
ehDyn AutoCntrDetSpd M str.Timer2 mS u32	3796740682
'ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.799988
'ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.77999993e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.90002
'ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000704000005
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
'ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	0
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc	0
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	44
'ehDyn AutoCntrHiSpd M str.VehSpd kph f32	52.0999985
'ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
rehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3382212733
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	4004004657
ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.5
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.00110340002
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600.36011
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000834000006
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
enDyn_AutoCntrinSpd_iv_str.Filter2iffiltailized_Cnt_igc /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.1999969
enDyn_AutoCntrLoSpd_M_str.WitVel_MitRadpS_132 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.4000015
	14.5
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	92.4000015
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	-753.799988 3.5799998e-005

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2014-09-19, 20:47:45+0530



VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -753.799988 -753.799988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.90002 -1900.90002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 456.5 456.5 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn	Name	Input Value		
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Verbys, Auchord edge, M. at Reference, Englige Verbys, Auchord edge, M. at Reference, Englige Verbys, Auchord edge, M. at Reference (Englige) Verbys, Auchord edge, M. at Section (Englige) Verbys, Auchord edge, M. at Section (Englige) Verbys, Auchord edge, M. at Section (English) Verbys,		0.000704000005		
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VerbyD_ MacRoffer MoNey M2		0		
SOUTH SOUT		0		
Verbyp_PartingsV_Mark V_LB_D2				
VeloPup_PurParksyN_List_PX_List_DS2				
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### Image Rie Inst Ap VeriDny Nerbyn Perl CoxeCT I-Nobeg (52 target Ken Lev Ap VeriDny Nerbyn Dec VeriDny Nerbyn Dec VeriDny Nerbyn Perl I-Nordroug Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Nordroug Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Nordroug Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Nordroug Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Nordroug Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Nordroug Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Reinwess Hores, Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Reinwess Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Reinwess Hwithin (52 target Rie), Inst Ap VeriDny Nerbyn Perl I-Reinwess Hwithin (52 target VeriDny Perl I-Reinwess Hwithin (52 target VeriDny Perl I-Reinwess Hwithin (52 target VeriDny Perl I-Nordroug Rie), Inst Ap VeriDny Nerbyn Perl I-Verhiodsgered Kind (51 target VeriDny Perl I-Verhiodsgered Kind (51 ta				
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target, Reg. Inst. Ap, VehDyn, VehDyn, Pert, Mordvore(RF, Mirkangs), S12 target, VehDyn, Pert, Mordvore(RF, Mirkangs), S12 target, Rel., Inst. Ap, VehDyn, VehDyn, Pert, Bordvore(RF, Mirkangs), S12 target, VehDyn, Pert, Bordvore(RF, Mirkangs), S12 target, Rel., Inst. Ap, VehDyn, VehDyn, Pert, Sensoriesakuthrony, Jul., S12 target, VehDyn, Pert, Sensoriesakuthrony, Jul., S12 target, Rel., Inst. Ap, VehDyn, VehDyn, Pert, Torquochrocker, Mirkin, S2 target, VehDyn, Pert, Sensoriesakuthrony, Jul., S12 target, Rel., Inst. Ap, VehDyn, VehDyn, Pert, Torquochrocker, Mirkin, S2 target, VehDyn, Pert, Sensoriesakuthrony, Jul., S12 target, Rel., Inst. Ap, VehDyn, VehDyn, Pert, Vehickespeed, Kpr., S2 target, VehDyn, Pert, Vehickespeed, Kpr., S2 target, VehDyn, Pert, Lower, Liver, Mirkin, S2 target, VehDyn, Pert, Vehickespeed, Kpr., S2 target, VehDyn, Pert, Lower, Liver, Mirkin, S2 value 5.87,89004 target, VehDyn, Pert, Johns, Mirkin, S2 value 1.987,60000 target, VehDyn, Pert, Torque, Endown, Mirkin, S2 value 1.987,60000 target, VehDyn, Pert, Torque, Endown, Mirkin, S2 value 1.987,6000 target, VehDyn, Pert, Torque, Endown, Mirkin, S2 value 1.987,6000 target, VehDyn, Pert, Sentence, Crit, Mirkin, S2 value 1.987,6000 target, VehDyn, Pert, Sentence, Mirkin, S2 value 1.987,6000 tar				
singer, Ref. Inst. Ap. VerDiyn-VerDiyn-Pert_NotiveCREF_Miritags 5/32 singer, Ref. Inst. Ap. VerDiyn-VerDiyn-Pert_Reflebres_Note(06_12) singer, Ref. Inst. Ap. VerDiyn-VerDiyn-Pert_Senderse-Note(06_12) singer, Ref. Inst. Ap. VerDiyn-VerDiyn-Pert_VerDixer-Reflex-Note(06_12) singer, Ref. Inst. Ap. VerDiyn-VerDiyn-Pert_VerDixer-Reflex-Note(06_12) singer, Ref. Inst. Ap. VerDiyn-VerDiyn-Pert_VerDixer-Reflex-Note(06_12) singer, Reflex-Note(06_12) singer, VerDiyn-Pert_Note(06_12) singer, Ver				
tager, Rel. nat. Ap, Verbiny verbiny. Perf. Reinhore, shorber, 1921 targer, Verbiny. Perf. Sensorieses-kindnyn, Ust., 1922 targer, Rel. nat., Ap, Verbiny verbiny. Perf. Sensorieses-kindnyn, Ust., 1922 targer, Rel. nat., Ap, Verbiny verbiny. Perf. Sensorieses-kindnyn, Ust., 1922 targer, Rel. nat., Ap, Verbiny verbiny. Perf. Sensorieses-kindnyn, Ust., 1922 targer, Rel. nat., Ap, Verbiny verbiny. Perf. Sensorieses-kindnyn, Ust., 1922 targer, Rel. nat., Ap, Verbiny verbiny. Perf. VerbindsSpeed-Vall, Cri. Uga targer, Verbiny. Perf. VerbindsSpeed-Vall, Cri. Uga targer, Verbiny. Perf. CoveCif. Hw06g, 1923 value targer, Verbiny. Perf. CoveCif. Hw06g, 1923 value targer, Verbiny. Perf. Lower Cif. Hw16g, 1924 value targer, Verbiny. Perf. Lower Ci				
Imager, Ref. Inst. Ap, VehDyn VehDyn, Pert. SpensoriessAuthority, Uis. F12 Imager, VehDyn, Pert. Pert. SpensoriessAuthority, Uis. F12 Imager, Ref. Inst. Ap, VehDyn VehDyn, Pert. SpensoriessAuthority, Uis. F12 Imager, Ref. Inst. Ap, VehDyn VehDyn, Pert. TorqueCmdCRF. Minkin, F12 Imager, Ref. Inst. Ap, VehDyn VehDyn, Pert. TorqueCmdCRF. Minkin, F12 Imager, Ref. Inst. Ap, VehDyn VehDyn, Pert. VehicleSpeed Valid, Chi. Igo Imager, VehDyn, Pert. Pert. VehicleSpeed Valid, Chi. Igo Imager, VehDyn, Pert. PehicleSpeed Valid, Chi. Igo Imager, VehDyn, Pert. VehicleSpeed Valid, Chi. Igo Imager, VehDyn, Pert. Individual Pert. Minking S2 value Imager, VehDyn, Pert. Individual Pert. Pe			· -	
target, Rela, Inst, Ap, VehDyn, VehDyn, Pert 1, SeriordessHVPou, 1-Mobg, 32 target, Linst, Ap, VehDyn, VehDyn, Pert 1, TorqueCmdCRF, Minhin, 192 target, Rel, Inst, Ap, VehDyn, VehDyn, Pert 1, VehicleSpeed Valid, Cnt. Igo: target, Rel, Inst, Ap, VehDyn, VehDyn, Pert 1, VehicleSpeed Valid, Cnt. Igo: target, Rel, Inst, Ap, VehDyn, VehDyn, Pert 1, VehicleSpeed Kpn, 192 target, VehDyn, Pert 1, CweEOT, HwObg, 522-value target, VehDyn, Pert 1, CweEOT, HwObg, 522-value 468-720004 target, VehDyn, Pert 1, Mortour, E-Myn, 192-value 669-729004 679-700008 target, VehDyn, Pert 1, Mortour, E-Myn, 192-value 193-800001 188-80002 target, VehDyn, Pert 1, Mortour, E-Myn, 192-value 193-800001 188-80002 target, VehDyn, Pert 1, Torque-CmdCRF, Mirthaga, 192-value 193-800001 188-80002 target, VehDyn, Pert 1, Torque-CmdCRF, Mirthaga, 192-value 193-800001 188-800002 target, VehDyn, Pert 1, Nehroes, Pert 1, VehicleSpeed Valid, Cm It.go: value 182-8000002 188-8000002 Name Actual Value 123-300000 188-80000000000000000000000000000000000				
Larger, Rel. Inst., Ap. VehDyn, VehDyn, Pert, TyroupeCmoCRF, Minhin, 122 Larget, VehDyn, Pert, VehicleSpeed (Kph. 132 Larget, VehDyn, Pert, VehicleSpeed (Kph. 132 Larget, VehDyn, Pert, Develocity, Pert, Pert, VehicleSpeed (Kph. 132 Larget, VehDyn, Pert, Develocity, Pert, More VehDyn, Pert, Develocity, Pert, Develocity, Pert, More VehDyn, Pert, VehicleSpeed (Kph. 132 value Larget, VehDyn, Pert,			-	
Larget_Rel_Inst_Ap_VehDyn_Pert_VehicleSpeedValid_Cnt_Igo Larget_VehDyn_Pert_VehicleSpeed Kph_Ig2 Larget_VehDyn_Pert_CowEOT_HWDeg_Ig2_value 1299 13				
target_NetDyn_Pert_CorECT_HNDeg_G2_value 1289.13 target_VehDyn_Pert_CorECT_HNDeg_G2_value 1289.13 target_VehDyn_Pert_CorECT_HNDeg_G2_value 1289.13 target_VehDyn_Pert_More/veiCR_MRIPags_G2_value 7.7000008 target_VehDyn_Pert_More/veiCR_MRIPags_G2_value 159.300001 target_VehDyn_Pert_T_More/veiCR_MRIPags_G2_value 159.300001 target_VehDyn_Pert_T_Oreupe-Mort/EM_MRIPags_G2_value 189.750002 target_VehDyn_Pert_T_VerbicaleSpeed Valid_Cnt_Ig_value 8.1999981 target_VehDyn_Pert_VerbicalSpeed Valid_Cnt_Ig_value 10 vehDyn_Pert_VerbicalSpeed Valid_Cnt_Ig_value 11 VehDyn_Pert_VerbicalSpeed Valid_Cnt_Ig_value 12 VehDyn_Pert_VerbicalSpeed Valid_Cnt_Ig_value 13 VehDyn_Pert_VerbicalSpeed Valid_Cnt_Ig_value 13 VehDyn_Pert_VerbicalSpeed Valid_Cnt_Ig_value 14 1 VehDyn_Pert_VerbicalSpeed Valid_Verbical_Verbical_Verbical_Verbical_Verbical_Verbical_Verbical_Verbical_Verbica			_	
target_VehDyn_Pert_CoxEOT_HwDeg_132 value				
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Isinget_VehDyn_Pert_Noton/velCRF_Mritangs_E2_value 1983.80001				
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larget_VehDyn_Pert_TorqueCntdCRF_Mtrkm_f32_value 0				
target_VehDyn_Per1_VehicleSpeed_Kph_TSZ-value 123:330002				
Target_VehDyn_Perl_VehicleSpeed_Kpn_f32.value				
Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd M_str.Timer1_mS_u32 3174948759 3174948759 3796740682 VehDyn_AutoCntrDetSpd M_str.Timer2_mS_u32 3796740682 3796740682 3796740682 VehDyn_AutoCntrDetSpd M_str.Rell+WoSelTitISV_HwDeg_str.SV_UIs_f32 -753.799988 -753.799988 ± 0.0009 -753.799988 ± 0.0009 VehDyn_AutoCntrDetSpd M_str.Rell+WoSelTitISV_HwDeg_str.SV_UIs_f32 1900.90002 -1900.90002 ± 0.009 -1900.90002 ± 0.009 VehDyn_AutoCntrDetSpd M_str.Riter1clanable_Cnt_lgc 1 1 1 1 VehDyn_AutoCntrDetSpd M_str.Filter1clanable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrHiSpd M_str.Filter1clanable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrHiSpd M_str.Filter1clanable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrHiSpd M_str.Filter2clanable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrHiSpd M_str.Filter2clanable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrHiSpd M_str.Filter2clanable_Cnt_lgc <td></td> <td></td> <td></td> <td></td>				
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VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -753.799988 -753.799988 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 -900.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_HiSpdLearn_Cnt_M_lgc 0 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 0	, - ,			
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2127166208 2127166208 2127166208 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3796740682 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -753.799988 -753.799988 ± 0.0009 -753.799988 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Benable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 0 0				- 4
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -753.799988 -753.799988 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.90002 -1900.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_PinTrqSV_M_str.SV_UIs_f32 13.8983126 13.8983135 ± 0.00009				
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2127166208 2127166208 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -753.799988 -753.799988 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1900.90002 -1900.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009		· ·		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2127166208 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3796740682 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -753.799988 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.90002 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_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 1269.13 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 VehDyn_PinTrqSV_M_str.SV_UIs_f32 13.8983126				
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -753.799988 -753.799988 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.90002 -1900.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_UIs_f32 13.8983126 13.8983135 ± 0.00009				V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -753.799988 -753.799988 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1900.90002 -1900.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009				V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1900.90002 -1900.90002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009				
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009				*
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009				-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009				
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009				_
VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009 10				
VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009 13.8983135 ± 0.00009				
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009				-
VehDyn_MaxOffset_HwDeg_M_f32 669.729004 669.729004 VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_Uls_f32 13.8983126 13.8983135 ± 0.00009				
VehDyn_MinOffset_HwDeg_M_f32 -1269.13 -1269.13 VehDyn_PinTrqSV_M_str.SV_UIs_f32 13.8983126 13.8983135 ± 0.00009				-
VehDyn_PinTrqSV_M_str.SV_UIs_f32 13.8983126 13.8983135 ± 0.00009				_
	,			_
target_venuyn_rerr_SensoriessAutnority_uis_tsz.value 0.879999995 0.879999995 ± 0.004				_
	target_veriDyn_Peri_SensonessAutnority_Uls_f32.value	0.079999995	0.079999995 ± 0.004	V





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	13.25	13.25 ± 0.1	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

est Step 2.31 (Repeat Count = 1)	Input Value
	target_DtrmnElapsedTime_mS_u32_ElapsedTime
trmnElapsedTime_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	100.09998
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.099985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.1000004
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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	2.79000005e-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
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.3000031
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.0999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	20.5
ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	38868
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3589476708
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00114409998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-2400.1001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000836000021
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
hDyn_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 Igc	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





Name	Input Value		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000279		
VehDyn_SLPHwAuth_Uls_M_f32	0.566999972		
VehDyn_SLPHwPos_HwDeg_M_f32	-1301.87		
k_HiSpdVDAuthority_Uls_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_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrF	RadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_	_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_N	1trNm_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	-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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.75		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657	4004004657	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.899994	456.899994 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.80005	2600.80005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4243378688	4243378688	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995	-2500.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-2400.1001	-2400.1001 ± 0.009	✓
	-2400.1001 0	-2400.1001 ± 0.009	
	-2400.1001 0 1	0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc		0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1	0 1 1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 0	0 1 1 0	•
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 3382212733	0 1 1 0 3382212733	~
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 3382212733 4004004657	0 1 1 0 3382212733 4004004657	•
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	0 1 1 0 3382212733 4004004657 456.899994	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 1 0 3382212733 4004004657 456.899994 2600.80005	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 1 1 0 3382212733 4004004657 456.899994 2600.80005	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009	· · · · · · · · · · · · · · · · · · ·
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	0 1 1 0 3382212733 4004004657 456.899994 2600.80005	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009	· · · · · · · · · · · · · · · · · · ·
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.Filter1Initialized_Cnt_lgc	0 1 1 0 3382212733 4004004657 456.899994 2600.80005 1	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009	· · · · · · · · · · · · · · · · · · ·
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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 0 3382212733 4004004657 456.899994 2600.80005 1	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_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 3382212733 4004004657 456.899994 2600.80005 1 0	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1 1 0 3382212733 4004004657 456.899994 2600.80005 1 0	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 1 0 3382212733 4004004657 456.899994 2600.80005 1 0 0	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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 1 0 3382212733 4004004657 456.899994 2600.80005 1 0 0 1 1 1 1 1 680.635986	0 1 1 0 3382212733 4004004657 456.899994 ± 0.0009 2600.80005 ± 0.009 1 0 0 1 1 1 1 1 1 680.635986	· · · · · · · · · · · · · · · · · · ·
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.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 1 0 3382212733 4004004657 456.899994 2600.80005 1 0 0 1 1 1 1 680.635986 -1262.87	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_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.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	0 1 1 1 0 3382212733 4004004657 456.899994 2600.80005 1 0 0 1 1 1 1 680.635986 -1262.87 -18.7928352	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 -18.7928352 ± 0.00009	· · · · · · · · · · · · · · · · · · ·
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.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 1 0 3382212733 4004004657 456.899994 2600.80005 1 0 0 1 1 1 1 680.635986 -1262.87	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	· · · · · · · · · · · · · · · · · · ·

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.32 (Repeat Count = 1)	✓
Name	Input Value
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
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	20.2999992
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	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	100.09998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.3999996
VehDyn_AutoCotrl-liSpd_M_str.FiltPinTrq_HwNm_f32	3.599999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	30.6000004 53970
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 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 Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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
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	513.926025
VehDyn_MinOffset_HwDeg_M_f32	-1245.31799
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000280000007
VehDyn_SLPHwAuth_Uls_M_f32	0.551999986
VehDyn_SLPHwPos_HwDeg_M_f32	-1291.60999
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0.89999976
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	43.0099983
k_TravelXCHwAuthority_Uls_f32	0.0509250015
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176
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





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_H	target VehDyn Per1 SensorlessHwPos HwDeg f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f				
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	4.9000001				
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0				
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.4500008				
Name	Actual Value	Expected Value	Result		
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~		
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3589476708	3589476708	~		
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631	4211268631	_		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005	-2500.80005 ± 0.009	~		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009			
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1			
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	•		
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	_		
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1050692864	1050692864	~		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024			
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5	2600.5 ± 0.009	✓		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009			
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-		
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	•		
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1			
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	1050692864	1050692864	-		
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	4211268631	4211268631			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005	-2500.80005 ± 0.009	-		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	-		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1			
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	•		
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc	0	0			
VehDyn HiSpdLearnt Cnt M Igc	0	0	-		
VehDyn Initialize Cnt M Igc	1	1			
VehDyn_tnttalize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	-		
	-243.46698	-243.466995			
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-243.40098 -1245.31799	-1245.31799	-		
	18.7942295	18.7942314 ± 0.00009			
VehDyn_PinTrqSV_M_str.SV_UIs_f32	0.899999976	18.7942314 ± 0.00009 0.899999976 ± 0.004	-		
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value					
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1			

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.33 (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	1.79999995	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.8000031	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	

2014-09-19, 20:47:45+0530



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
	0.000839999993
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	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	0.00070999993
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	518.91803
VehDyn_MinOffset_HwDeg_M_f32	-1238.63403
	-1236.03403 0
VehDyn_PinTrqSV_M_str.SV_UIs_f32	0.000280999986
VehDyn_PinTrqSV_M_str.K_Uls_f32	
VehDyn_SLPHwPos_Hw	0.537
VehDyn_SLPHwPos_HwDeg_M_f32	-1281.34998
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	0.10000001
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	44.4500008
k_TravelXCHwAuthority_Uls_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 VehDvn.VehDvn Per1 VehicleSpeed Kph f32	J J
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeq_f32.value	-1250.34998
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1250.34998 702.450012
	-1250.34998 702.450012 -2.20000005

VehDyn_Per1





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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.900024	-753.900024 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998	-1900.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.900024	-753.900024 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998	-1900.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	518.91803	518.91803	~
VehDyn_MinOffset_HwDeg_M_f32	-361.549988	-361.549988	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-0.000599965919	-0.000599965977 ± 0.0000000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.537	0.537 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1281.34998	-1281.34998 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.34 (Repeat Count = 1)	✓
Name	Input Value
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.7400001e-005		
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995 0.000712000008		
VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000712000008		
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 Igc	0		
VehDyn Initialize Cnt M Igc	0		
VehDyn LoSpdLearnt Cnt M Igc	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_Uls_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_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_Hwt	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H	lwNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_H	·-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdC		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	d_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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988	456.799988 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc			•

VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	109643620	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988	456.799988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	713.356995	713.356995	~
VehDyn_MinOffset_HwDeg_M_f32	-1244.08997	-1244.08997	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14.4951944	14.4951944 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_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
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

2014-09-19, 20:47:45+0530



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	94.0999985		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.699997		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.6999969		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	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 -753.299988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	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	0.30000012		
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985		
k_TravelXCDeadband_Uls_f32	47.3300018		
k_TravelXCHwAuthority_Uls_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_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa target_VehDyn_Per1_RelHwPos_HwDeg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_h		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_Mt		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	_	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target VehDyn Per1 CcwEOT HwDeg f32.value	-1237.82996		
target VehDyn Per1 CwEOT HwDeg f32.value	724.263977		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.5999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1253.44995		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2000.19995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.119995		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.8999	-2500.8999 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988	-753.299988 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	V
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918	164464918	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002	-1988.40002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	V
VehDyn_AutoCntrliSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32	2345892861	2345892861	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.8999	-2500.8999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988	-753.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	724.263977	724.263977	~
VehDyn_MinOffset_HwDeg_M_f32	-1237.82996	-1237.82996	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-12.5971298	-12.5971289 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.507000029	0.507000029 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1260.82996	-1260.82996 ± 0.1	~

Τ			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
trmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
setSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
tte Inst Ap VehDyn	target Rte Inst Ap VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	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	2.8399998e-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.FiltPinTrq_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_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	126.699997
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.300003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.69999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.81999998e-005

2014-09-19, 20:47:45+0530



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	1		
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 7.80000019		
VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32	2.510000019 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_UIs_f32	0.40000006		
k_SysKinRatio_MtrDegpHwDeg_f32	85.0999985		
k_TravelXCDeadband_Uls_f32	48.7700005		
k_TravelXCHwAuthority_UIs_f32	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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority_	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_Mti target_VehDyn_Per1_VehicleSpeedValid_0	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1231.56995	02	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	735.171021		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.79999995		
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005	2600.80005 ± 0.009	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt.lgc	0	0	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	954802432	954802432	_
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216	219286216	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			
		753.200012 ± 0.0009	✓
Vendyn Autochtrispa ivi str.keinwpospitzsv nwdeg str.sv dis 132	753.200012 1988.09998	753.200012 ± 0.0009 1988.09998 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	753.200012		~
	753.200012 1988.09998	1988.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	753.200012 1988.09998 0	1988.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	753.200012 1988.09998 0	1988.09998 ± 0.009 0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	753.200012 1988.09998 0 0	1988.09998 ± 0.009 0 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	753.200012 1988.09998 0 0 0	1988.09998 ± 0.009 0 0 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	753.200012 1988.09998 0 0 0 1 954802432	1988.09998 ± 0.009 0 0 0 1 954802432	, , , , , , , , , , , , , , , , , , ,
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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009	
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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 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 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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012 0	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 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 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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012 0	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 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 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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012 0 1	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 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.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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012 0 1 1 1 0	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 0 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 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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012 0 1 1 1 0 1	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 0 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 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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012 0 1 1 1 0	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 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.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	753.200012 1988.09998 0 0 0 1 1 954802432 3174948759 2600.80005 456.200012 0 1 1 1 0 -1165.729	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 0 1 1 1 0 -1165.729	
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_IsipdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012 0 1 1 1 0	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 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.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	753.200012 1988.09998 0 0 0 1 954802432 3174948759 2600.80005 456.200012 0 1 1 1 0 -1165.729 -1218.58203	1988.09998 ± 0.009 0 0 1 954802432 3174948759 2600.80005 ± 0.009 456.200012 ± 0.0009 0 1 1 1 0 -1165.729 -1218.58203	





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1444.69995	1444.69995 ± 0.1	~

T			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

lame	Input Value
	·
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_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.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
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	123.09998
	14.3000002
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	42.2999992
· - · · · · -	12258
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	
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_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0
ehDyn_HiSpdLearnt_Cnt_M_lgc	1
ehDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_MaxOffset_HwDeg_M_f32	538.885986
ehDyn MinOffset HwDeg M f32	-1211.89795

VehDyn_Per1





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_UIs_f32	0		
k_LoSpdVDAuthority_Uls_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.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_(
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t	132	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1225.31006 746.078003		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value 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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	result
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2760420810	2760420810	V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.8999	-2400.8999 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.3999	-2500.3999 ± 0.009	-
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514	274107514	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998	-1988.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.8999	-2400.8999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.3999	-2500.3999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc		1	~
	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	V
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0	0	V
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0	0 0 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 0 1	0 0 0 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 0 0 1 1	0 0 0 1 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 0 0 1 1	0 0 0 1 1 1	\(\frac{1}{2} \)
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 0 0 1 1 1 538.885986	0 0 0 1 1 1 1 538.885986	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 0 0 1 1 1 538.885986 675.089966	0 0 0 1 1 1 1 538.885986 675.090027	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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	0 0 0 1 1 1 538.885986 675.089966 3.19214344	0 0 0 1 1 1 1 538.885986 675.090027 3.19214344 ± 0.000009	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 0 0 1 1 1 538.885986 675.089966	0 0 0 1 1 1 1 538.885986 675.090027	· · · · · · · · · · · · · · · · · · ·

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•





Test Step 2.38 (Repeat 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	63.2000008
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	124.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
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	753.099976
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
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	128.100006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	147
VehDyn_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	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 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	86.099985
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	3.8999987e-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
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	543.877991
VehDyn_MinOffset_HwDeg_M_f32	-1205.21399
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000281999994
VehDyn_SLPHwAuth_Uls_M_f32	0.462000012
VehDyn_SLPHwPos_HwDeg_M_f32	-1230.05005
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0.600000024
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	51.6500015
k_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_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32



Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph 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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.4519997		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	756.984985	756.984985	~
VehDyn_MinOffset_HwDeg_M_f32	-1219.05005	-1219.05005	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8951502	13.8951502 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.600000024	0.600000024 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-808.800049	-808.799988 ± 0.1	•

T .				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.39 (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	

VehDyn_Per1

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Name Input 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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5	2600.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988	1988 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5	2600.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	767.892029	767.892029	~
VehDyn_MinOffset_HwDeg_M_f32	-1212.79004	-1212.79004	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39919949	-5.39919901 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.69999988	0.69999988 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.40 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530



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		
	16.7999992		
VehDyn_AutoCntrloSpd_M_str.FiltPinTrq_HwNm_f32			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.5999985		
VehDyn_AutoCntrl_oSpd_M_str.Timer1Thresh_mS_u16	37799		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632		
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		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.98000011e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000723999983		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_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_UIs_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000358999998		
VehDyn_SLPHwAuth_Uls_M_f32	0.432000011		
VehDyn SLPHwPos HwDeg M f32	-1209.53003		
k HiSpdVDAuthority UIs f32	0		
k LoSpdVDAuthority Uls f32	0.800000012		
k SysKinRatio MtrDegpHwDeg f32	52.099985		
k_TravelXCDeadband_Uls_f32	54.5299988		
k_TraveIXCHwAuthority_UIs_f32	0.0607249998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928		
target_GetSystemTime_mS_u32_CurrentTime	309385728	•	
target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	. –	
target_Rte_Inst_Ap_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1206.53003		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	778.799011		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1299.59998		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753.400024		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.024994		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	nesu
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	3174948759	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759	3174948759	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	553.862	553.862	~
VehDyn_MinOffset_HwDeg_M_f32	-453.130005	-453.130005	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59979486	7.59979486 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.432000011	0.432000011 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1209.53003	-1209.53003 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.41 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530



Name	7 = 1			
VehDys AuchCenterSign M. ser Text Fertinates Crit (gc 5 5 5 5 5 5 5 5 5				
Velicips AutoControl (Sept M. sep Niver) Memory (Sept M. sep Niver) Memor				
VenDry AutoCritic Sept Mis st Wines Mis st Wines AutoCritic Sept Mis st Wines				
VehDyn AutoControlSed M. str VehBod sch 152				
Verbiny AutoContics Sept. M. at PrintPrint Pulman, IS2 Verbiny AutoContics Sept. M. at Timer Trivent, may 16 Verbiny AutoContics Sept. M. at Timer Trivent, may 16 Verbiny AutoContics Sept. M. at Timer Trivent, may 16 Verbiny AutoContics Sept. M. at Timer Trivent, may 16 Verbiny AutoContics Sept. M. at Timer Trivent, may 16 Verbiny AutoContics Sept. M. at Timer Trivent, may 16 Verbiny AutoContics Sept. M. at Timer Trivent, may 17 Verbiny AutoContics Sept. M. at Timer Trivent, may 17 Verbiny AutoContics Sept. M. at Timer Trivent, may 18 Verbiny AutoContics M. at Timer Trivent,	· - · · · -			
VehDys, AutoCeht Spet, M.; Primer (Thresh, m.S., u16 VehDys, AutoCeht Spet, M.; Primer (m.S., u32 VehDys, AutoCeht Spet, M.; Primer (m.S., u32) VehDys, M.; Primer (m.S., u32) VehDys, M.; Primer (m.S., u32) VehDys, M.; Primer, M.; Primer (m.S., u32) VehDys, M.; Primer (m.S., u32) VehDys, M.; Primer (m.S., u32) VehDys, M.; Primer, M.; Primer, M.; Primer (m.S., u32) VehDys, M.; Primer, M.; Primer, M.; Primer (m.S., u32) VehDys, M.; Primer, M.; Pri		18.2000008		
VehDyn, AutoContoSpd M, Br.Timer J. ms. ys2	Dyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031		
Verbiny AutoCenticSped M_strTimert _ms_usize	Dyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366		
VehDyn_AuSchritusge_U_st_Timerz_ms_uss_ VehDyn_U_st_Timerz_ms_uss_ VehDyn_U_st_Timerz_				
VehDyn, AutoCentuSopd, M. sir RehtwickeristitSV, Irvibace, art X, Us., 12	·			
VehDyn_AutContro.Sopt M_ str. PethrespiritSV_Note_g_str. K_Uis_122				
VehDyn, AusContricSpd M, str. Reht-PrositioSy, Hwbeg, str. Ky Lis. [52] VehDyn, AusContricSpd M, str. Reht-PrositioSy, Hwbeg, str. Ky Lis. [52] VehDyn, AusContricSpd M, str. Reht-Realized, Cnt. Lig. 1 VehDyn, AusContricSpd M, str. Reht-Initialized, Cnt. Lig. 1 VehDyn, AusContricSpd M, str. Reht-Initialized, Cnt. Lig. 1 VehDyn, Hibbottes, Dd M, str. Reht-Initialized, Cnt. Lig. 0 VehDyn, Hibbottes, Cnt. M, Lig. 1 VehDyn, Hibbottes, Cnt. M, Lig. 1 VehDyn, Initialize, Cnt. M, Lig. 1 VehDyn, Initialize, Cnt. M, Lig. 1 VehDyn, Mooffselt, Hwbeg, M, IS2 5 VehDyn, Pintrog W, M, str. Ky Lis. [32] 5 VehDyn, Pintrog W, M, str. Ky Lis. [32] 1 VehDyn, Pintrog W, M, str. Ky Lis. [32] 1 VehDyn, Shiphwath, Lib. M, Lig. 2 VehDyn, Lib. M, Lib. 2 VehDyn, Lib. 3 VehDyn, Lib. 3 VehDyn, Lib. 3 VehDyn,				
VehDyn_AutContixSpd_M sizeRelWeSeriiBSV_Habbeg_strK_Uis_J32				
VehDyn_AutoCntto.Spd_M_st Filter2Enable_Cnt_lgc				
VehDyn_AutComtLoSpd_M_str-Filter Initializate_Cnr_Lige	Dyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_HiSpdLeamC_cnt_M_igc	Dyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_Listiatize_Cni_M_igc				
Verbyn, Initialize, Crit, Migo				
VerbOyn_LOSpdLeamt_Cnt_M_lgs				
VehDyn_MinOffset_HwDeg_M_IS2	, = = = = = = = = = = = = = = = = = = =			
VehDyn_PinTrqSV_M_str.KV_Uls_f32 1.18.16199 VehDyn_PinTrqSV_M_str.KV_Uls_f32 0.000380000005 VehDyn_PinTrqSV_M_str.KV_Uls_f32 0.416999996 VehDyn_SLPHwAuth_Uls_M_f32 0.416999996 VehDyn_SLPHwAuth_Uls_M_f32 1.1992/002 K_HSpAVDAuthority_Uls_f32 1.1992/002 K_HSpAVDAuthority_Uls_f32 0.899999976 K_JCSpAVDAuthority_Uls_f32 412999992 K_TraveKCDeadband_Uls_f32 55.9700012 K_TraveKCDeadband_Uls_f32 55.9700012 K_TraveKCDeadband_Uls_f32 4129414760 target_DimmElapsedTime_mS_u32_CurrentTime 4129141760 target_REI_inst_Ap_VehDyn_VehDn_Per1_CwECT_HwDeg_f32 target_VehDyn_Per1_CowECT_HwDeg_f32 target_REI_inst_Ap_VehDyn_VehDn_Per1_Monor_HwMin_f32 target_VehDyn_Per1_WebC_f440 target_REI_inst_Ap_VehDyn_VehDn_Per1_Mell_MSe_f405 target_VehDyn_Per1_Monor_WebC_f440 target_REI_inst_Ap_VehDyn_VehDn_Per1_ReINHvDs_HwDeg_f32 target_VehDyn_Per1_Monor_WebC_f440 target_REI_inst_Ap_VehDyn_VehDn_Per1_ReINHvDs_HwDeg_f32 target_VehDyn_Per1_Monor_WebC_f440 target_REI_inst_Ap_VehDyn_VehDn_Per1_VehicleSpeed_Kinf_f32 target_VehDyn_Per1_Monor_WebC_f440 target_REI_inst_Ap_VehDyn_VehDn_Per1_VehicleS	7 - 1			
VehDyn_PinTrqSV_M str.SV_Uis_f32				
VehDyn_PinTrqSV_M_str.K_Uis_732	·			
VehDyn_SLPHwDauth_Uls_M_132				
VehDyn_SLPHwPos_HwDog_M_32 -1199.27002 k_HISpAVDAuthonty_Uls_f32 1 k_DSpAVDAuthonty_Uls_f32 0.899999976 k_SystinRatio_MtDogphtwDog_f32 412999992 k_TravetXCDeadband_Uls_f32 55.9700012 k_TravetXCDeadband_Uls_f32 0.6619499981 k_TravetXCDeadband_Uls_f32 0.6619499981 k_TravetXCDeadband_Uls_f32 0.6619499981 target_DrimmElapsedTime_mS_us2_CurrentTime 4164171008 target_Rel_nst_A_VehDyn_VehDyn_Per1_CowEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rel_nst_A_D_VehDyn_VehDyn_Per1_CowEOT_HwDeg_f32 target_VehDyn_Per1_RwEOT_HwDeg_f32 target_Rel_nst_A_D_VehDyn_VehDyn_Per1_HwTorque_HwMm_f32 target_VehDyn_Per1_HwTorque_HwMm_f32 target_Rel_nst_A_D_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rel_nst_A_D_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rel_nst_A_D_VehDyn_VehDyn_Per1_TorqueCmdCRF_MirtMm_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rel_nst_A_D_VehDyn_VehDyn_Per1_TorqueCmdCRF_MirtMm_f32 target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_Rel_nst_A_D_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_WehDyn_Per1_VehicleSpeed_Kph_f32 <td></td> <td></td> <td></td> <td></td>				
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target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value 788.705994 target_VehDyn_Per1_HwTorque_HwNm_f32.value 789.705994 target_VehDyn_Per1_HwTorque_HwNm_f32.value 789.705994 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 786.7000023 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1477.100006 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 456.700012 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 11.60000002 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 499.089996 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 3382212733 3382212733 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4004004657 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0			_	
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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 -1.60000002 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 0 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4004004657 4004004657 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 2800.3999 2800.3999 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	_			
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Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4004004657 4004004657 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 753.200012 753.200012 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 2800.3999 2800.3999 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	_ ,			
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$\begin{tabular}{lllllllllllllllllllllllllllllllllll$		3382212733	3382212733	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f322800.39992800.3999 ± 0.009VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc11VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc11VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc00				
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VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0				•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	7			
, = 1 = 1 = 2				
VenLyn AutoCntrDetSnd M str EilferZinitialized Cnt Idc	Dyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc Dyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4164171008 4164171008		·		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2138628886 2138628886				
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV UIs f32 -2400.5 -2400.5 -2400.5				
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 -1438.30005				
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0		0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0	Dyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0	Dyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1	·			•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4164171008 4164171008 4164171008				•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4004004657 4004004657	Dyn_AutoCntrLoSpd_M_str. l'imer2_mS_u32	4004004657	4004004657	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999	2800.3999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	333.005981	333.006012	~
VehDyn_MinOffset_HwDeg_M_f32	-1185.16199	-1185.16199	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5019697	1.5019697 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976	0.89999976 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1600	-1600 ± 0.1	~

Τ			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M lqc	1
/ehDyn_AutoCntrDetSpd M str.MtrVel MtrRadpS f32	10.199998
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.199969
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn_AutoChtrDetSpd_M_str.Timer1Thresh_mS_u16	3658
	5853
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3589476708
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	111111111111111111111111111111111111111
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998
/ehDyn_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
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	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
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1.
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
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
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	3589476708
/ehDyn 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	4.05999999e-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 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	563.846008		
VehDyn_MinOffset_HwDeg_M_f32	-1178.47803		
VehDyn_PinTrqSV_M_str.SV_UIs_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_HwI	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwD	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hv	vNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_	_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut	thority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHw	/Pos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCF	RF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeed	Valid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	3589476708	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32			
	4211268631	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998	-1988.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998 -1438.09998	-1988.09998 ± 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	-1988.09998 -1438.09998 0	-1988.09998 ± 0.009 -1438.09998 ± 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	-1988.09998 -1438.09998 0	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-1988.09998 -1438.09998 0 0	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.09998 -1438.09998 0 0 1	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	-1988.09998 -1438.09998 0 0 1 1 1 2345892861	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 2345892861	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-1988.09998 -1438.09998 0 0 1 1 2345892861 437658624	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 2345892861 437658624	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998 -1438.09998 0 0 1 1 2345892861 437658624 2797.40112	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 2345892861 437658624 2797.40112 ± 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_AutoCntrDetSpd_M_str.Filter2Initialized_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 -1438.09998 0 0 1 1 2345892861 437658624 2797.40112 1950.09998	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	-1988.09998 -1438.09998 0 0 1 1 2345892861 437658624 2797.40112 1950.09998	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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	-1988.09998 -1438.09998 0 0 1 1 2345892861 437658624 2797.40112 1950.09998 1	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009 1	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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	-1988.09998 -1438.09998 0 0 1 1 1 2345892861 437658624 2797.40112 1950.09998 1 0 1	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009 1 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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	-1988.09998 -1438.09998 0 0 1 1 1 2345892861 437658624 2797.40112 1950.09998 1 0 1	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009 1 0 1 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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	-1988.09998 -1438.09998 0 0 1 1 1 2345892861 437658624 2797.40112 1950.09998 1 0 1 0 3589476708	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009 1 0 1 0 3589476708	
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VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.09998 -1438.09998 0 0 1 1 1 2345892861 437658624 2797.40112 1950.09998 1 0 1 0 3589476708 4211268631 -1988.09998 -1438.09998 1 0	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009 1 0 3589476708 4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0 0	
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_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.ReiHwPosFilt1SV_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.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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.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_HiSpdLearnt_Cnt_M_lgc	-1988.09998 -1438.09998 0 0 1 1 1 2345892861 437658624 2797.40112 1950.09998 1 0 0 3589476708 4211268631 -1988.09998 -1438.09998 1 0 0 1 1 1	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009 1 0 0 3589476708 4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0 0 1 1 0 0 1 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_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_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	-1988.09998 -1438.09998 0 0 1 1 1 2345892861 437658624 2797.40112 1950.09998 1 0 0 3589476708 4211268631 -1988.09998 -1438.09998 1 0 0 1	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009 1 0 0 3589476708 4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0 0 1 0 1	
VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_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_AutoCntrLoSpd_M_str.Filter2Initialized_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.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.09998 -1438.09998 0 0 1 1 1 2345892861 437658624 2797.40112 1950.09998 1 0 0 3589476708 4211268631 -1988.09998 -1438.09998 1 0 0 1 1 1 1	-1988.09998 ± 0.009 -1438.09998 ± 0.009 0 0 1 1 1 2345892861 437658624 2797.40112 ± 0.009 1950.09998 ± 0.009 1 0 0 3589476708 4211268631 -1988.09998 ± 0.009 -1438.09998 ± 0.009 1 0 0 1 1 1 1 1 1	

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VehDyn_Per1

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

T			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-

Test Step 2.43 (Repeat Count = 1)		V
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	56.0999985	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.0999985	
VehDvn_AutoCntrDetSnd_M_str_FiltPinTrg_11P		

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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 0.999000013		
k_HiSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32	0.999000013		
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985		
k_TravelXCDeadband_Uls_f32	58.8499985		
k_TraveIXCHwAuthority_UIs_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_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	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		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019 0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.820007		
		Eveneted Value	Booule
Name VahDun Allaud ISad Auto Cata Cat M. Ira	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
	2706740692	2706740692	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	•
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 1988.19995	2160073393 1988.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2160073393 1988.19995 753.400024	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	2160073393 1988.19995 753.400024	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	2160073393 1988.19995 753.400024	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	2160073393 1988.19995 753.400024 1	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_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	2160073393 1988.19995 753.400024 1 1	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 1 1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	2160073393 1988.19995 753.400024 1 1 1	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393 1988.19995 753.400024 1 1 1 0 3941357312	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 1 1 0 3941357312	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393 1988.19995 753.400024 1 1 0 3941357312 2553156835	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 1 1 0 3941357312 2553156835	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	2160073393 1988.19995 753.400024 1 1 1 0 3941357312 2553156835 -1438.5	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 1 1 1 0 3941357312 2553156835 -1438.5 ± 0.009	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	2160073393 1988.19995 753.400024 1 1 1 0 3941357312 2553156835 -1438.5 1885.30005	2160073393 1988.19995 ± 0.009 753.400024 ± 0.0009 1 1 1 0 3941357312 2553156835 -1438.5 \pm 0.009 1885.30005 \pm 0.009	0
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VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Splalized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc	2160073393 1988.19995 753.400024 1 1 1 0 3941357312 2553156835 -1438.5 1885.30005 0 0 0 1 3941357312 2160073393 1988.19995 753.400024 0 1 1	$\begin{array}{c} 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 3941357312 \\ 2553156835 \\ -1438.5 \pm 0.009 \\ 1885.30005 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 3941357312 \\ 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 0 \\ 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array}$	
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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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	2160073393 1988.19995 753.400024 1 1 1 0 3941357312 2553156835 -1438.5 1885.30005 0 0 0 1 3941357312 2160073393 1988.19995 753.400024 0 1 1 1 0	$\begin{array}{c} 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 3941357312 \\ 2553156835 \\ -1438.5 \pm 0.009 \\ 1885.30005 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 3941357312 \\ 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 0 \\ 1 \\ 1 \\ 1 \\ 0 \\ 1 \\ 0 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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_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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	2160073393 1988.19995 753.400024 1 1 1 1 0 3941357312 2553156835 -1438.5 1885.30005 0 0 1 3941357312 2160073393 1988.19995 753.400024 0 1 1 1 0 811.52002	$\begin{array}{c} 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 3941357312 \\ 2553156835 \\ -1438.5 \pm 0.009 \\ 1885.30005 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 3941357312 \\ 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 0 \\ 1 \\ 1 \\ 1 \\ 0 \\ 811.52002 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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.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	2160073393 1988.19995 753.400024 1 1 1 0 3941357312 2553156835 -1438.5 1885.30005 0 0 1 3941357312 2160073393 1988.19995 753.400024 0 1 1 0 811.52002 -1187.75	$\begin{array}{c} 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 3941357312 \\ 2553156835 \\ -1438.5 \pm 0.009 \\ 1885.30005 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 3941357312 \\ 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 0 \\ 1 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \\ 0 \\ 811.52002 \\ -1187.75 \\ \end{array}$	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter1Sinitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	2160073393 1988.19995 753.400024 1 1 1 1 0 3941357312 2553156835 -1438.5 1885.30005 0 0 1 3941357312 2160073393 1988.19995 753.400024 0 1 1 1 0 811.52002	$\begin{array}{c} 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 3941357312 \\ 2553156835 \\ -1438.5 \pm 0.009 \\ 1885.30005 \pm 0.009 \\ 0 \\ 0 \\ 1 \\ 3941357312 \\ 2160073393 \\ 1988.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 0 \\ 1 \\ 1 \\ 1 \\ 0 \\ 811.52002 \\ \end{array}$	



Τ				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.44 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.92000004e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.230003
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	62.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000531999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.539993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.5999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	6
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.13999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	573.830017
VehDyn_MinOffset_HwDeg_M_f32	-1165.10999
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992
VehDyn PinTrqSV M str.K Uls f32	0.000362999999





Name	Input Value		
VehDyn_SLPHwAuth_Uls_M_f32	0.372000009		
VehDyn_SLPHwPos_HwDeg_M_f32	-1168.48999		
k_HiSpdVDAuthority_UIs_f32	0		
k_LoSpdVDAuthority_Uls_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	<u>'</u>	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	•	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	54822322 1991.09998	54822322 1991.09998 ± 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	54822322 1991.09998 -1988.09998	54822322 1991.09998 ± 0.009 -1988.09998 ± 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.Filter1Enable_Cnt_lgc	54822322 1991.09998 -1988.09998 0	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0	y
VehDyn_AutoCntrDetSpd_M_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	54822322 1991.09998 -1988.09998 0	54822322 1991.09998 ± 0.009 -1988.09998 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	54822322 1991.09998 -1988.09998 0 0	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0	\rightarrow \right
VehDyn_AutoCntrDetSpd_M_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	54822322 1991.09998 -1988.09998 0 0 0	54822322 1991.09998 ± 0.009 -1988.09998 ± 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.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	54822322 1991.09998 -1988.09998 0 0 1 3304439296	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_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	54822322 1991.09998 -1988.09998 0 0 0	54822322 1991.09998 ± 0.009 -1988.09998 ± 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.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	54822322 1991.09998 -1988.09998 0 0 0 1 1 3304439296 2760420810 1950.19995	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322 1991.09998 -1988.09998 0 0 1 3304439296 2760420810	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810	***************************************
VehDyn_AutoCntrDetSpd_M_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	54822322 1991.09998 -1988.09998 0 0 0 1 1 3304439296 2760420810 1950.19995	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 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.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	54822322 1991.09998 -1988.09998 0 0 1 3304439296 2760420810 1950.19995 142.539993	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 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 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	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 0.0009 0	***************************************
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	54822322 1991.09998 -1988.09998 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 0.0009 0	***************************************
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	54822322 1991.09998 -1988.09998 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 0.0009 0 1	***************************************
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 0.0009 0 1 1 0 4004004657 54822322	***************************************
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322 1991.09998 -1988.09998	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 0.0009 0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009	***************************************
VehDyn_AutoCntrDetSpd_M_str.Timer12_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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_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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322 1991.09998 -1988.09998 1	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 1 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0	***************************************
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322 1991.09998 -1988.09998 1	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 1 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0	***************************************
VehDyn_AutoCntrDetSpd_M_str.Timer12_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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.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.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	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322 1991.09998 -1988.09998 1	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 1 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0	***************************************
VehDyn_AutoCntrDetSpd_M_str.Timer12_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HyDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HyDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHyDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHyDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHyDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322 1991.09998 -1988.09998 1 0 0	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 1 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1968.09998 ± 0.009 1 0 0	***************************************
VehDyn_AutoCntrDetSpd_M_str.Timer12_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFi	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322 1991.09998 -1988.09998 1 0 0	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 0.0009 0 1 1 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 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.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.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322 1991.09998 -1988.09998 1 0 0 0 1 1 1	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 0.0009 0 1 1 0 0 0 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 1 573.830017	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	54822322 1991.09998 -1988.09998 0 0 0 1 3304439296 2760420810 1950.19995 142.539993 0 1 1 0 4004004657 54822322 1991.09998 -1988.09998 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 0 0 1 3304439296 2760420810 1950.19995 ± 0.009 142.539993 ± 0.0009 0 1 1 0 0 4004004657 54822322 1991.09998 ± 0.009 -1988.09998 ± 0.009 1 0 0 1 1 1 573.830017 1218.91003	

T .				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Pte Call VehDyn Per1 CP1 ChecknointReached	1	-



Test Step 2.45 (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_Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 425 200012
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	425.200012 84.1100006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	84.1100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_r32 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	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	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 lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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_UIs_f32	-7
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000364000007
VehDyn_SLPHwAuth_Uls_M_f32	0.356999993
VehDyn_SLPHwPos_HwDeg_M_f32	-1158.22998 4
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	97.3000031
k_TravelXCDeadband_Uls_f32	61.7299995
k_TravelXCHwAuthority_Uls_f32	0.0668499991
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432 2167769344
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VenDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VenDyn_Per1_HwDorque_HwNm_f32
target_inte_inst_Ap_venibyii.venibyii_relii_mwitotque_mwitiii_is2	taigut_vaiiDyii_Faii_iiwTuiqua_iiwiviii_iuz





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	Authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessI	lwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd	CRF MtrNm f32	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpee		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpee	ed Kph f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2000.19995	-2000.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2167769344	2167769344	·
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2967684784	2967684784	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.5	1885.5 ± 0.009	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2600.25	2600.25 ± 0.009	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0	0	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	_
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2167769344	2167769344	_
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	1024	1024	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2000.19995	-2000.19995 ± 0.009	*
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	*
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	*
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	_
VehDyn Initialize Cnt M Igc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	-
VehDyn MaxOffset HwDeg M f32	-1966.96606	-1966.96594	
VehDyn_MinOffset_HwDeg_M_f32	-1158.42603	-1158.42603	_
VehDyn PinTrqSV M str.SV Uls f32	-6.99486494	-6.99486494 ± 0.000009	
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.356999993	0.356999993 ± 0.004	J
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1158.22998	-1158.22998 ± 0.1	
target_venibyri_reri_oenioniessriwros_nwbey_isz.value	-1130.22330	-1130.22880 I U.I	

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.46 (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	

2014-09-19, 20:47:45+0530



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	
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 Igc	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998	1900.09998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998	1991.09998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	142.199997	142.199997 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.36011	-2400.36011 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998	1900.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998	1991.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	844.241028	844.241028	~
VehDyn_MinOffset_HwDeg_M_f32	-1168.96997	-1168.96997	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29439259	6.29439259 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.342000008	0.342000008 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1147.96997	-1147.96997 ± 0.1	✓

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.47 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3382212733 -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_AutoCntrl_oSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrl_oSpd_M_str_PelHypPosFilt1SV_HypPog_str_SV_Llls_f32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1900.40002 4.26000006e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.R_0Is_132 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.19995		
VehDyn AutoCntrLoSpd M str.ReiHwPosFilt2SV_HwDeg_str.Sv_Ois_i32	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_lgc	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_Uls_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_UIs_f32	0		
k_LoSpdVDAuthority_UIs_f32 k_SysKinRatio_MtrDegpHwDeg_f32	42.0999985		
k TravelXCDeadband Uls f32	64.6100006		
k_TravelXCHwAuthority_UIs_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_HwDe	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwN	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_N	ltrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho	prity_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K	(ph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1162.70996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	855.14801		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-9.09000015 -425.869995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	753.330017		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.5499992		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Resu
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	54822322	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002	-1900.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.19995	-2000.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2894938880	2894938880	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001	2800.6001 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2894938880	2894938880	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002	-1900.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.19995	-2000.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	855.14801	855.14801	~
VehDyn_MinOffset_HwDeg_M_f32	-1162.70996	-1162.70996	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1910667	15.1910677 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.326999992	0.326999992 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1137.70996	-1137.70996 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.48 (Repeat Count = 1)	Innut 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	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 Igc	0

2014-09-19, 20:47:45+0530



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	34.4000015		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5999985		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.6000004		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.3e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1900.09998 0.000739999989		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn LoSpdLearnt Cnt M Igc	1		
VehDyn_MaxOffset_HwDeg_M_f32	593.797974		
VehDyn_MinOffset_HwDeg_M_f32	-1138.37402		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000367000001		
VehDyn_SLPHwAuth_Uls_M_f32	0.312000006		
VehDyn_SLPHwPos_HwDeg_M_f32	-1127.44995		
k_HiSpdVDAuthority_Uls_f32	0		
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004		
k_TravelXCDeadband_Uls_f32	66.0500031		
k_TravelXCHwAuthority_Uls_f32	0.070524998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1711664384		
target_GetSystemTime_mS_u32_CurrentTime	2059598336		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_ target_VehDyn_Per1_SensorlessHwPos_H	_	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF Mtr	·-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_(_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t		
target VehDyn Per1 CcwEOT HwDeg f32.value	-1156.44995	32	
target VehDyn Per1 CwEOT HwDeg f32.value	866.054993		
target VehDyn Per1 HwTorque HwNm f32.value	-9.17000008		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.679993		
target VehDyn Per1 RelHwPos HwDeg f32.value	-1988.69995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.8999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.6399994		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	109643620	109643620	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5	-1482.5 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1900.09998	1900.09998 ± 0.009	-
	1900.09998	1900.09998 ± 0.009	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc			-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
	0	0	\rightarrow \frac{1}{2}
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0	0 0 0	\rightarrow \frac{1}{2}
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1	0 0 0 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0 0 1 2059598336	0 0 0 1 2059598336	\rightarrow \right
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 1 2059598336 3589476708 -1482.40002 -1438.5	0 0 0 1 2059598336 3589476708 -1482.40002 ± 0.009 -1438.5 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 1 2059598336 3589476708 -1482.40002	0 0 0 1 2059598336 3589476708 -1482.40002 ± 0.009 -1438.5 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_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	0 0 0 1 2059598336 3589476708 -1482.40002 -1438.5 0	0 0 0 1 2059598336 3589476708 -1482.40002 ± 0.009 -1438.5 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 1 2059598336 3589476708 -1482.40002 -1438.5 0	0 0 0 1 2059598336 3589476708 -1482.40002 ± 0.009 -1438.5 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1 2059598336 3589476708 -1482.40002 -1438.5 0	0 0 1 2059598336 3589476708 -1482.40002 ± 0.009 -1438.5 ± 0.009 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 1 2059598336 3589476708 -1482.40002 -1438.5 0	0 0 0 1 2059598336 3589476708 -1482.40002 ± 0.009 -1438.5 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5	-1482.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998	1900.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	593.797974	593.797974	~
VehDyn_MinOffset_HwDeg_M_f32	832.25	832.25	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9914389	13.9914389 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.312000006	0.312000006 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1127.44995	-1127.44995 ± 0.1	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_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	86.099985
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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	2.9699997e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.30005
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Gls_G2	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.FiltPinTrg HwNm f32	5.6999981
/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_Ont_igc	1
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	2.9000001
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	86.800031
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	4.900001
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25,7999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_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	4.3399994e-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		
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_UIs_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000368000008		
VehDyn_SLPHwAuth_Uls_M_f32	0.296999991		
VehDyn_SLPHwPos_HwDeg_M_f32	-1117.18994		
k_HiSpdVDAuthority_Uls_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_HwDe	eg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwN	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF M	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwP		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_h	Kpn_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	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	35.8199997		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861	2345892861	
	2343092001		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024	-753.400024 ± 0.0009	•
		-753.400024 ± 0.0009 -1900.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-753.400024 -1900.30005	-1900.30005 ± 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	-753.400024 -1900.30005 1	-1900.30005 ± 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.Filter1Initialized_Cnt_lgc	-753.400024 -1900.30005 1 1	-1900.30005 ± 0.009 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-753.400024 -1900.30005 1 1 1 0	-1900.30005 ± 0.009 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	-753.400024 -1900.30005 1 1 1 1 0 800969984	-1900.30005 ± 0.009 1 1 0 800969984	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 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 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	-753.400024 -1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 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	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 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_AutoCntrDetSpd_M_str.Filter2Initialized_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	-753.400024 -1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 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_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.Filter1Enable_Cnt_lgc	-753.400024 -1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-753.400024 -1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 0	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 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.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.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.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	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1	-1900.30005 ± 0.009 1 1 1 0 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	
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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.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.Filter1Splalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Splalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Splalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 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	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1 1 0 1	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1 1	-1900.30005 ± 0.009 1 1 1 0 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_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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1 1 0 1	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3_Initialized_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1 0 1 0 1	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-753.400024 -1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1 0 1 0 -1111.13794	-1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0 1 1 0 1 0 -1111.13794	





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	856.410034	856.409973 ± 0.1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

lame	Input Value
	target_DtrmnElapsedTime_mS_u32_ElapsedTime
trmnElapsedTime_mS_u32(ElapsedTime)	
tetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime target Rte Inst Ap VehDyn
tte_Inst_Ap_VehDyn	
ehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.199997
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.1999969
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
ehDyn_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
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000744000019
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	66.1999969
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	50.0999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	4004004657
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00054400001
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.800003
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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
hDyn_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 Igc	1
ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn MaxOffset HwDeg M f32	603.781982
ehDyn MinOffset HwDeg M f32	-1125.00598

2014-09-19, 20:47:45+0530



Name	Input Value
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000368999987
VehDyn_SLPHwAuth_Uls_M_f32	0.282000005
VehDyn_SLPHwPos_HwDeg_M_f32	-1106.93005
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	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_AutoCntrlDetSpd_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
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 AutoCntrHiSpd 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_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	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_UIs_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	96.099985
I. Tarriel VOD and brand Tille 100	70.3700027
k_TravelXCDeadband_Uls_f32	0.0744000000
k_TraveIXCHwAuthority_Uls_f32	0.0741999969
k_TraveIXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824
k_TravelXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	2339853824 3351443200
k_TraveIXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target VehDyn Per1 SensorlessHwPos HwDeg f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	2	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6699982		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	274107514	274107514	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2760420810	2760420810	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999	-2500.3999 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988	-753.299988 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	•
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	~
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3351443200	3351443200	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002	1988.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1	~
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3351443200	3351443200	✓
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999	-2500.3999 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988	-753.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	~
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	~
VehDyn HiSpdLearnt Cnt M Igc	0	0	~
VehDyn Initialize Cnt M Igc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	898.776001	898.776001	-
VehDyn_MinOffset_HwDeg_M_f32	-1137.67004	-1137.67004	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79365158	7.7936511 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0741999969	0.0741999969 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1101.23401	-1101.23401 ± 0.1	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.52 (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	

2014-09-19, 20:47:45+0530



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	3.00000011e-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	79.0999985
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 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	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5	2600.5 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994	456.399994 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1358028288	1358028288	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5	2600.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994	456.399994 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-991.187012	-991.187012	~
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794	-1111.63794	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19533825	3.19533825 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.252000004	0.252000004 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1086.41003	-1086.41003 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.53 (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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	54822322 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		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.800003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.8000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352		
VehDyn_AutoCntrloSpd_M_str.Timer2Thresh_mS_u16	14442		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110 3174948759		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	4.50000007e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	618.757996		
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00037200001 0.237000003		
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	-1076.15002		
k HiSpdVDAuthority UIs f32	0.670000017		
k_LoSpdVDAuthority_UIs_f32	0		
k SysKinRatio MtrDegpHwDeg f32	78.3000031		
k_TravelXCDeadband_Uls_f32	73.25		
k_TravelXCHwAuthority_Uls_f32	0.0766500011		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104		
target_GetSystemTime_mS_u32_CurrentTime	1975593216		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwD	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF	- ' -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAu target_VehDyn_Per1_SensorlessHv		
target_Rte_inst_Ap_venDyn.venDyn_Peri_SensoriessHwPos_HwDeg_t32 target_Rte_inst_Ap_venDyn.venDyn_Peri_SensoriessHwPos_HwDeg_t32	target_venDyn_Peri_SensonessHv target_VehDyn_Peri_SensonessHv		
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_ren_vehicleSpeed		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1125.15002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.56999969		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1235.5		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.90002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.179993		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-2500.30005	-2500.30005 ± 0.009	
VALUENCE AUTOL DITE INTO ME STE FIITATI E DADIO C'ENT INC	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1975593216	1975593216	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.100006	456.100006 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1975593216	1975593216	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005	-2500.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	618.757996	618.757996	~
VehDyn_MinOffset_HwDeg_M_f32	775.75	775.75	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40158939	-5.40158939 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.237000003	0.237000003 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1076.15002	-1076.15002 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	136.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.01999989e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000752000022
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000552000012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1

2014-09-19, 20:47:45+0530



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.FiltPinTrq_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	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-623.75		
VehDyn_MinOffset_HwDeg_M_f32	-1098.27002		
VehDyn PinTrgSV M str.SV Uls 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_UIs_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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRa		
	target VehDyn Per1 RelHwPos HwDeg	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_F	_	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32			
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_TorqueCmdCRF_Mti target_VehDyn_Per1_VehicleSpeedValid_0	_	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target VehDyn Per1 CcwEOT HwDeg f32.value		132	
	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999	2600.3999 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	✓
, , , , , , , , , , , , , , , , , , , ,	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	'		
, _ ,	910116864	910116864	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc		910116864 109643620	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	910116864		~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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	910116864 109643620	109643620	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	910116864 109643620 -1482.19995	109643620 -1482.19995 ± 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	910116864 109643620 -1482.19995 2800.1001	109643620 -1482.19995 ± 0.009 2800.1001 ± 0.009 0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	910116864 109643620 -1482.19995 2800.1001	109643620 -1482.19995 ± 0.009 2800.1001 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	910116864 109643620 -1482.19995 2800.1001 0 1	109643620 -1482.19995 ± 0.009 2800.1001 ± 0.009 0 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	910116864 109643620 -1482.19995 2800.1001 0	109643620 -1482.19995 ± 0.009 2800.1001 ± 0.009 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999	2600.3999 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	931.497009	931.497009	✓
VehDyn_MinOffset_HwDeg_M_f32	-1118.89001	-1118.89001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.7935214	7.7935214 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.222000003	0.222000003 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1065.89001	-1065.89001 ± 0.1	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_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	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 lgc	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
rehDyn_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_AutoChtrHiSpd_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	457.600006
ehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	146.100006
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	16.6000004
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.099985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7778
ehDyn_AutoCntrLoSpd_M_str.Timer2_ms_u32	2345892861
ehDyn_AutoCntrLoSpd_M_str.Timer1_m3_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

2014-09-19, 20:47:45+0530



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		
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0		
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		
	-1091.58606		
VehDyn_MinOffset_HwDeg_M_f32			
VehDyn_PinTrqSV_M_str.SV_UIs_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_UIs_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	32		
k_TravelXCDeadband_Uls_f32	76.1299973		
k_TravelXCHwAuthority_Uls_f32	0.0790999979		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336		
target_GetSystemTime_mS_u32_CurrentTime	402713344		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1112.63	<u></u>	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	942.403992		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.72999954		
	-759.900024		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753.299988		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75.9100037	_	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005	-2400.30005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	402713344	402713344	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918	164464918	-
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.299988	-753.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.59998	-1438.59998 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	V
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc			-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	402713344	402713344	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005	-2400.30005 ± 0.009	· ·
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	4	1	•
	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
		0 942.403992	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		*
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 942.403992	942.403992	· · ·
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 942.403992 -1112.63	942.403992 -1112.63	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

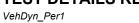




Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1055.63	-1055.63 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

lame	Input Value
	target_DtrmnElapsedTime_mS_u32_ElapsedTime
rtrmnElapsedTime_mS_u32(ElapsedTime)	
tetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn ehDyn AllowHiSpdAutoCntr Cnt M Igc	target_Rte_Inst_Ap_VehDyn
, = , = = = = = = = = = = = = = = = = =	
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
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	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	3.099999
ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	52.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_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_UIs_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_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	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_TraveIXCDeadband_Uls_f32	77.5699997		
k_TravelXCHwAuthority_Uls_f32	0.080325		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984		
target_GetSystemTime_mS_u32_CurrentTime	4178051584	22	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_1 target_VehDyn_Per1_MotorVelCRF_MtrRi		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mi		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpeedValid_	_	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1106.37	,02	
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	-5.4000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	159.820007		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.599976	753.599976 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999	2800.3999 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4178051584	4178051584	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216	219286216	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.69995	1950.69995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	Y
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.599976	753.599976 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999	2800.3999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	Y
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	Y
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	-
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_MaxOffset_HwDeg_M_f32	496.610962	496.610992	
VehDyn_MinOffset_HwDeg_M_f32	-1084.90198	-1084.90198	✓
	E 40460220	E 40460000 + 0 000000	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.40169239	-5.40169239 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-5.40169239 0.170000002 -1494	-5.40169239 ± 0.000009 0.170000002 ± 0.004 -1494 ± 0.1	· ·

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	V



Test Step 2.57 (Repeat Count = 1)	L. AV.
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_lgc	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
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	274107514
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	0.00088800001
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.FiltPinTrg HwNm f32	5.5999999
VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	41.099985
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
· - · ·	0.000738000009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1
	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1 0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	
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_UIs_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



Name	Input Value			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	_		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_f			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	357.25			
Name	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	- 1000110	
VehDyn_AitoCntrDetSpd M str.Timer1 mS u32	2760420810	2760420810		
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	54822322	54822322		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	·	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	·	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0		
	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4077829376	4077829376		
		274107514		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514 -3200	-3200 ± 0.009		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 1 11	1		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.90002	1885.90002 ± 0.009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4077829376	4077829376	Y	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	Y	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~	
VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~	
VehDyn_MaxOffset_HwDeg_M_f32	638.726013	638.726013	~	
VehDyn_MinOffset_HwDeg_M_f32	1399.99011	1399.98999	~	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59369564	7.59369612 ± 0.000009	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.00899999961	0.00899999961 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1061.80005	-1061.80005 ± 0.1	~	

Τ				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.58 (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	

2014-09-19, 20:47:45+0530



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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000890000025
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	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_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	643.718018
VehDyn_MinOffset_HwDeg_M_f32	-1071.53406
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_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_venbyn_ren_inviolque_nwini_i32 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_SensorlessAuthonity_0is_is2 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	-1093.84998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	975.125
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4 -456.600006
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	

VehDyn_Per1





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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998	1988.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5	753.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2644937728	2644937728	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812	328928812	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.5	142.5 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998	1988.59998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5	753.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	975.125	975.125	~
VehDyn_MinOffset_HwDeg_M_f32	-1093.84998	-1093.84998	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.497949	1.497949 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.162	0.162 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1024.84998	-1024.84998 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.59 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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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_AutoCntrl.oSpd_M_str.VehSpd_kph_f32	7.30000019		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	88.1999969		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037		
VehDyn_AutoCntrLoSpd_M_str.Timer2Trilesri_mS_u12 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	4.74000008e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_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_Uls_f32	1		
k_LoSpdVDAuthority_Uls_f32	0.75999999		
k_SysKinRatio_MtrDegpHwDeg_f32	86		
k_TravelXCDeadband_Uls_f32	81.8899994		
k_TravelXCHwAuthority_Uls_f32	0.0839999989		
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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	. –	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	·-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	52	
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 1100 10005		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 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		
		Exported Value	Pacula
Name VehDun AlleuddiSedAuteCetz Cet M. Ice	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc			
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	3174948759	Ž
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4290967295 1991.30005	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.59998	1991.30005 ± 0.009 -1988.59998 ± 0.009	Ĭ
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
		i.	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2212175616	2212175616	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002	-1900.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2212175616	2212175616	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.59998	-1988.59998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	986.031982	986.031982	~
VehDyn_MinOffset_HwDeg_M_f32	-1087.58997	-1087.58997	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60113347	-1.60113347 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-411.900024	-411.899994 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	662.900024
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.899994
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.9000001
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.9000015
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43190
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.07999994e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000763999997
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498.200012
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000563999987
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1

2014-09-19, 20:47:45+0530



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	662.400024		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	196.5 5.4000001		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190		
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	3186		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3382212733		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.78000002e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000763999997		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	653.702026		
VehDyn_MinOffset_HwDeg_M_f32	-1058.16602		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000379000005		
VehDyn_SLPHwAuth_Uls_M_f32	0.131999999		
VehDyn_SLPHwPos_HwDeg_M_f32 k_HiSpdVDAuthority_Uls_f32	-1004.33002 0		
	0.467000008		
k_LoSpdVDAuthority_UIs_f32 k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992		
k_TravelXCDeadband_Uls_f32	83.3300018		
k TravelXCHwAuthority Uls f32	0.085225001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1975593216		
target_GetSystemTime_mS_u32_CurrentTime	2059598336		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_	_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_N	/trNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph	<u>_</u> f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1081.32996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	996.939026		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.15999985		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1299.5		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2800.6001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1 369.100006		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		I=	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	· ·
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	*
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001 1988.5	-2400.6001 ± 0.009 1988.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2059598336	2059598336	_
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	
Vendyn Autochtrhispa in str.keihwposfiit18v hwdea str.8v dis 132	1440.88	1440.88 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88 -1482.30005	1440.88 ± 0.009 -1482.30005 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			~
	-1482.30005	-1482.30005 ± 0.009	Ž
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1482.30005 0	-1482.30005 ± 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	-1482.30005 0 1	-1482.30005 ± 0.009 0 1	, , , , , , , , , , , , , , , , , , ,
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1482.30005 0 1	-1482.30005 ± 0.009 0 1	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001	-2400.6001 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.5	1988.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1803.66113	-1803.66101	~
VehDyn_MinOffset_HwDeg_M_f32	-1058.16602	-1058.16602	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7963152	-14.7963152 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.131999999	0.131999999 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1004.33002	-1004.33002 ± 0.1	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
otrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
tte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	124.099998
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	206.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.099999
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	3.0900006e-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 Igc	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	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_Uls_f32	2800.30005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.81999996e-005

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target_VehDyn_Pert_Hwitnque_Hwitn_rit2value				
Larget_VehDyn_Pert_MotorVelCRF_MirRangS_EQ2.value				
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VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initalized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initalized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2mS_u32 800969984 800969984 VehDyn_AutoCntrHiSpd_M_str.Filter2mS_u32 2345892861 2345892861 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 -1200.56006 -1200.56006 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Str.SV_Uls_f32 2039069984 800969984 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1991.30005 2900.30005 ± 20009				¥
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VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 800969984 800969984 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2138628886 2138628886 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 2800.30005 2800.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 0 VehDyn_Linitialize_Cnt_M_lgc 0 0 0 </td <td></td> <td></td> <td></td> <td>Y</td>				Y
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 800969984 800969984 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2138628886 2138628886 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 2800.30005 2800.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.30005 1991.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397				~
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VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 800969984 800969984 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2138628886 2138628886 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2800.30005 2800.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.30005 1991.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 658.69397 658.69397 <t< td=""><td></td><td></td><td></td><td>V</td></t<>				V
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VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 800969984 800969984 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2138628886 2138628886 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2800.30005 2800.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.30005 1991.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_UIs_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2138628886 2138628886 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2800.30005 2800.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.30005 1991.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_UIs_f32 17.7910023 17.7910042 ± 0.00009				V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 2800.30005 2800.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1991.30005 1991.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.30005 1991.30005 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_UIs_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				-
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				-
VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_MaxOffset_HwDeg_M_f32 658.69397 658.69397 VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				~
VehDyn_MinOffset_HwDeg_M_f32 363.230103 363.230011 VehDyn_PinTrqSV_M_str.SV_UIs_f32 17.7910023 17.7910042 ± 0.00009			1	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32 17.7910023 17.7910042 ± 0.00009				~
	,			~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.870000005 0.870000005 0.870000005 ± 0.004				~
	target VehDyn Per1 SensorlessAuthority Uls f32.value	0.870000005	0.870000005 ± 0.004	~





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1600	-1600 ± 0.1	~

Τ				~
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Name	Input Value
	•
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.800003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.79999995
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
/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	3.0999996e-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_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	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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006
VehDyn_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_Igc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	138.699997
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.100006
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	1.7000005
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	86.099985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
· - ·	3277
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.8599999e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000768000027
/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_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	663.685974
/ehDyn MinOffset HwDeg M f32	-1044.79797





Name	Input Value		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-7		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000380999991		
VehDyn_SLPHwAuth_Uls_M_f32	0.101999998		
VehDyn_SLPHwPos_HwDeg_M_f32	-983.809998		
k_HiSpdVDAuthority_Uls_f32	0		
k_LoSpdVDAuthority_Uls_f32	0.566999972		
k_SysKinRatio_MtrDegpHwDeg_f32	85.0999985		
k_TraveIXCDeadband_Uls_f32	86.2099991		
k_TravelXCHwAuthority_Uls_f32	0.0876749977		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344		
target_GetSystemTime_mS_u32_CurrentTime	2659241984	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3 target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998	-1438.59998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	V
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886	2138628886	*
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.29443	-1482.29443 ± 0.009	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998	-1900.09998 ± 0.009	· ·
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	Y
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	0	0	
VehDyn_AutoCntrl Spd_M_str.Filter2Initialized_Cnt_Igc			-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682 2345892861	3796740682 2345892861	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.59998	-1438.59998 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc	0	0	V
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	V
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	V
VehDyn_MaxOffset_HwDeg_M_f32	1018.75299	1018.75299	~
VehDyn_MinOffset_HwDeg_M_f32	-1068.81006	-1068.81006	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.99973488	-6.99973488 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.101999998	0.101999998 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-983.809998	-983.809998 ± 0.1	•
<u> </u>			

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	-



est Step 2.63 (Repeat Count = 1)	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_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
hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1950.30005 3.11000008e-006
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000769999984
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861
hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2760420810 -753.200012
ehDyn_AutoCntrhiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg_str.SV Uls f32	-1482.09998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00089999985
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	156.699997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.700008
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657 2553156835
ehDyn_AutoCntrLoSpd_M_str.Hiner2_inS_u32	1950.30005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	4.8999984e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000769999984
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	668.677979
hDyn_MinOffset_HwDeg_M_f32	-1038.11401
hDyn_PinTrqSV_M_str.SV_UIs_f32	6.30000019
hDyn_PinTrqSV_M_str.K_Uls_f32	0.000381999998
hDyn_SLPHwAuth_Uls_M_f32	0.0869999975 -973.549988
hDyn_SLPHwPos_HwDeg_M_f32 HiSpdVDAuthority_Uls_f32	-9/3.549988 1
LoSpdVDAuthority_Uls_f32	0.44999988
_cosportDatinonity_ois_isz _SysKinRatio_MtrDegpHwDeg_f32	0.449999900 96
TraveIXCDeadband Uls f32	87.6500015
TravelXCHwAuthority Uls f32	0.088899999
rget_DtrmnElapsedTime_mS_u32_ElapsedTime	4178051584
rget_GetSystemTime_mS_u32_CurrentTime	2942063360
rget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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 Mtrl			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	Ent lgc		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed Kph f			
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	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.30005	1950.30005 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	~	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	~	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.30005	1950.30005 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	Ō	~	
VehDyn_Initialize_Cnt_M_lgc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~	
VehDyn_MaxOffset_HwDeg_M_f32	1029.66003	1029.66003	~	
VehDyn_MinOffset_HwDeg_M_f32	-1062.55005	-1062.55005	~	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29498005	6.29498005 ± 0.000009	~	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.449999988	0.449999988 ± 0.004	~	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~	

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.64 (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	

2014-09-19, 20:47:45+0530



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
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 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
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_UIs_f32	-1988.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4.94000014e-005 -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 Igc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn HiSpdLearnt Cnt M Igc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-673.669983
VehDyn_MinOffset_HwDeg_M_f32	-1031.43005
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000383000006
VehDyn_SLPHwAuth_Uls_M_f32	0.0719999969
VehDyn_SLPHwPos_HwDeg_M_f32	-963.289978
k_HiSpdVDAuthority_Uls_f32	0.200000003
k_LoSpdVDAuthority_Uls_f32	0.370000005
k_SysKinRatio_MtrDegpHwDeg_f32	97.0999985
k_TravelXCDeadband_Uls_f32	89.0899963
k_TravelXCHwAuthority_Uls_f32	0.090125002
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
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Veh_f32	target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_igc target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1056.29004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1040.56702
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.48000002
0	





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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4077829376	4077829376	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514	274107514	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.30005	-1753.30005 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.30005	1885.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4077829376	4077829376	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-844.833008	-844.833008	~
VehDyn_MinOffset_HwDeg_M_f32	-1031.43005	-1031.43005	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59424639	7.59424639 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.370000005	0.370000005 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.65 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530



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_AutoCntrHiSpd_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 0.000384000014		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt lac	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1050.03003		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1050.03003 1051.474		
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_f3 -1050.03003 1051.474 -8.06000042		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1050.03003 1051.474 -8.06000042 159.100006		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1050.03003 1051.474 -8.06000042 159.100006 1988.59998		
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_VehicleSpeed_Kph_f3 -1050.03003 1051.474 -8.06000042 159.100006 1988.59998 -4.5999999		
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_f3 -1050.03003 1051.474 -8.06000042 159.100006 1988.59998 -4.5999999		
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_f3 -1050.03003 1051.474 -8.06000042 159.100006 1988.59998 -4.5999999 1 126.410004	32	
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 Name	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1050.03003 1051.474 -8.06000042 159.100006 1988.59998 -4.5999999 1 126.410004 Actual Value	Expected Value	Result
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_MtrNa_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 Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1050.03003 1051.474 -8.06000042 159.100006 1988.59998 -4.5999999 1 126.410004 Actual Value 0	Expected Value	•
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_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 Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1050.03003 1051.474 -8.06000042 159.100006 1988.59998 -4.5999999 1 126.410004 Actual Value 0 1117112832	Expected Value 0 1117112832	Result
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_MtrNa_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 Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1050.03003 1051.474 -8.06000042 159.100006 1988.59998 -4.5999999 1 126.410004 Actual Value 0	Expected Value	•





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5	148.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-937.125977	-937.125977	✓
VehDyn_MinOffset_HwDeg_M_f32	-1024.74597	-1024.74597	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1910133	15.1910133 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0913499966	0.0913499966 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	963.854004	963.854004 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.66 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
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	753.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.1399999e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000775999972
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
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
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	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000563999987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000905999972

2014-09-19, 20:47:45+0530



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_AutoCntrl_oSpd_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	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	683.653992		
VehDyn_MinOffset_HwDeg_M_f32	-1018.06201		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	0.000384999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000384999992		
VehDyn_SLPHwAuth_Uls_M_f32 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_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hw	vNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut	thority_Uls_f32	
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_TorqueCmdCR	RF_MtrNm_f32	
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_	_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1043.77002		
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 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1991.14001 -4.9000001		
target_vehDyn_Per1_rorqueCmdCRr_witrNm_rsz.value target_vehDyn_Per1_vehicleSpeedValid_Cnt_lgc.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.450012		
Name	Actual Value	Expected Value	Beaut
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	1 Expected Value	Resul
VehDyn_AiloWhiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer1_ms_us2 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrDetSpd_M_str.Timer2_ms_us2 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002	1950.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1930.40002 1 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	
	3174948759	3174948759	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32		-1482.09998 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998		
	-1482.09998 3200	3200 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32		3200 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200		
VehDyn_AutoCntrHiSpd_M_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	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	3200 0 0	0	•





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002	1950.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1062.38098	1062.38098	~
VehDyn_MinOffset_HwDeg_M_f32	-1043.77002	-1043.77002	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.993804	13.993804 ± 0.00009	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.680000007	0.680000007 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	40.7399902	40.7400017 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.67 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_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
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322

2014-09-19, 20:47:45+0530



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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000777999987		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	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	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 VehDyn_PinTrqSV_M_str.K_Uls_f32	8.89999962 0.000386		
VehDyn SLPHwAuth Uls M f32	0.0270000007		
VehDyn_SLPHwPos_HwDeg_M_f32	-932.51001		
k_HiSpdVDAuthority_Uls_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 3437401088		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg i32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_Ulsf32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_F		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_1 -1037.51001	32	
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		
	1		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.540009	I=	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	0	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 0 3437401088	0 3437401088	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	Actual Value	0 3437401088 3174948759	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 0 3437401088 3174948759	0 3437401088	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	Actual Value 0 3437401088 3174948759 1885.5	0 3437401088 3174948759 1885.5 ± 0.009	Result
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	Actual Value 0 3437401088 3174948759 1885.5 1885.19995	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 1 1	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 0	
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733	
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733	
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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733 -753.200012 0	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733 -753.200012 0 1	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733 -753.200012 0 1 1	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733 -753.200012 0 1 1 1 0 54822322	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1 1 1 0 54822322	
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733 -753.200012 0 1 1 1 0 54822322 3174948759 1885.5	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1 1 1 0 54822322 3174948759 1885.5 ± 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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Snt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Snt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Snt_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	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733 -753.200012 0 1 1 1 0 54822322 3174948759 1885.5 1885.19995	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1 1 1 0 54822322 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733 -753.200012 0 1 1 1 0 54822322 3174948759 1885.5 1885.19995 1	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1 1 1 0 54822322 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 1	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 2967684784 3382212733 -753.200012 0 1 1 1 0 54822322 3174948759 1885.5 1885.19995	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1 1 1 0 54822322 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Su_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 1 2967684784 3382212733 -753.200012 0 1 1 1 0 54822322 3174948759 1885.5 1885.19995 1 0	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1 1 1 0 54822322 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 1 0	
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Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 1 2967684784 3382212733 -753.200012 0 1 1 1 0 54822322 3174948759 1885.5 1885.19995 1 0 0 0 1	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733 -753.200012 ± 0.0009 1 1 1 0 54822322 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 1 0 0	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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	Actual Value 0 3437401088 3174948759 1885.5 1885.19995 0 0 1 1 1 2967684784 3382212733 -753.200012 0 1 1 1 1 0 54822322 3174948759 1885.5 1885.19995 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 3437401088 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 0 1 1 2967684784 3382212733 -753.200012 ± 0.0009 0 ± 0.000009 1 1 1 0 54822322 3174948759 1885.5 ± 0.009 1885.19995 ± 0.009 1 0 0 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-1037.51001	-1037.51001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89422607	8.89422703 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.027000007	0.0270000007 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-932.51001	-932.51001 ± 0.1	✓

T			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Namo	Input 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	124.699997
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.699997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.7000008
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.6999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
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	-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
rehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh mS_u16	40437
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/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059 3174948759
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
/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.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
	0.000780000002
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	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_Uls_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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target VehDyn Per1 SensorlessHwPos HwDeg f		
target_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		
	0.19999901		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	•		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.450012		1
Name	-	ected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 1		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32		43620	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32		212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			✓
		7.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994 142.3	7.19995 ± 0.009 399994 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	142.399994 142.3 1 1		~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994 142.3 1 1 1 1		•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	142.399994 142.3 1 1 1 1 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	142.399994 142.3 1 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	142.399994 142.3 1 1 1 0 0 0		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494	399994 ± 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.Timer1_mS_u32	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589	399994 ± 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	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1	399994 ± 0.0009 315776 476708	
VehDyn_AutoCntrDetSpd_M_str.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	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1	315776 476708 100006 ± 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	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1 1440.88 1440	315776 476708 100006 ± 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	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1 1440.88 1440 0 0	315776 476708 100006 ± 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.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	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1 1440.88 1440 0 0 0 0	315776 476708 100006 ± 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.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	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1 1440.88 1440 0 0 0 0 0 0 1 1	315776 476708 100006 ± 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.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	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1 1440.88 1440 0 0 0 0 0 0 1 1 3494315776 3494	315776 476708 100006 ± 0.0009 .88 ± 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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1 1440.88 1440 0 0 0 0 0 0 1 1 3494315776 3494 3382212733 3382	315776 476708 100006 ± 0.0009 .88 ± 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.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	142.399994 142.3 1 1 1 1 0 0 0 0 3494315776 3494 3589476708 3589 456.100006 456.1 1440.88 1440 0 0 0 0 0 0 1 1 3494315776 3494 3382212733 3382 -1887.19995 -1887	315776 476708 100006 ± 0.0009 .88 ± 0.009	
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T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•





Authors 12 Previous Note No. 12	Name	Input Value		
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K_Josephic Allean, Deling 12 1				
Registration Regi				
ExtraoreCONAMINON USE 122 00620000000000000000000000000000000	_ : : : : : : : : : : : : : : : : : : :	88.5		
Expression Comparison Com				
\$000000000000000000000000000000000000				
Imaged_Rels_Meal_Ag_VelOn_WebDyn_Perl_CowEOT_Hobes_B2		800969984		
tinger, Ref. Jan. 2, Verbilly withOrby. Pert CowECT He/Deg. 122 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithn. 152 tinger, Ref. Inst. 4, Dev WithOrw WithOrby. Pert Mortingue Hwithory. 152 tinger, Left Dyn. Pert Mortingue Mortingue Hwithn. 152 tinger, Left Dyn. Pert Mortingue Mortingue Hwithory. 152 tinger, Left Dyn. Pert Mortingue Mortingue Mortingue Hwithory. 152 tinger, Left Dyn. Pert Mortingue Hwithory. 152 tinger, Left Dyn. Pert Mortingue Hwithory. 152 tinger, Left Dyn. Pert Mortingue Hwithory. 152 tinger, Left Dyn. P		463842816		
target Rein Inst AD VerDiny-NebDyn_Pert_Moroive/ERT_MindayS_R12 target_Rein_Inst AD_VerDiny-NebDyn_Pert_Moroive/ERT_MindayS_R12 target_Rein_Inst AD_VerDiny-NebDyn_Pert_Rein_Moroive/ERT_MindayS_R12 target_Rein_Inst AD_VerDiny-NebDyn_Pert_Rein_Moroive/ERT_MindayS_R12 target_Rein_Inst AD_VerDiny-NebDyn_Pert_Rein_Inst AD_VerDiny-NebDyn_Pert_Rein_Inst AD_VerDiny-NebDyn_Pert_Rein_Inst AD_VerDiny-NebDyn_Pert_Sensorieseshwing_Us_E2 target_Rein_Inst AD_VerDiny-NebDyn_Pert_Sensorieseshwing_Us_E2 target_Rein_Inst AD_VerDiny-NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_Rein_Inst AD_VerDiny-NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_Rein_Inst AD_VerDiny-NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_NebDyn_Pert_NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_NebDyn_Pert_NebDyn_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerDiny_Pert_VerNickSpeedVinit_Crt.l.go target_VerNickSpeedVinit_Crt.l.go target_Ve	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
Image, Res. Land, A. VehDyn, VehDyn, Pert, Mehrore CREF, MirRados, 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Reshrore Shobag, 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Sensories Authority, Us. 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Sensories Authority, Us. 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Sensories Authority, Us. 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Sensories Authority, Us. 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Veholes Specify Rown, 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Veholes Specify Rown, 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Veholes Specify Rown, 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Veholes Specify Rown, 1/2 Image, Res. Land, A. VehDyn, VehDyn, Pert, Veholes Specify Rown, 1/2 Image, Res. Land, A. VehDyn, Pert, Veholes Specify Royn, 1/2 Image, Res. Land, A. VehDyn, Pert, Veholes Specify Royn, 1/2 Image, Res. Land, A. VehDyn, Pert, Veholes Specify Royn, 1/2 Image, VehDyn, Pert, Morre VehDyn, Pert, Veholes Specify Royn, 1/2 Image, VehDyn, Pert, Morre VehDyn, Pert, Veholes Specify Royn, 1/2 Image, VehDyn, 1/2 Image, 1/2 Imag	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target, Reinat, AD, VehDyn, VehDyn, Perft, Reinhord, 1940-26, 122 target, WehDyn, PehDyn, Perft, Sensorioses-Marthy, Us. 72. target, VehDyn, PehDyn, Perft, Sensorioses-Marthy, Us. 72. target, VehDyn, Perft, VehicleSpeed Kpr, EQ2 target, VehDyn, Perft, VehicleSpeed Kpr, EQ2 value 4.388,0005 Name Account of the Special Martin, Target value, Thorough, Corn, Explain Martin, Corn, Explain Ma	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
targer, Rie, Ind.Ag., VerDiny, VerDiny, Pert J. Spreamfords HVPos, HVDog., 232 targer, Rie, Ind.Ag., VerDiny, VerDiny, Pert J. Spreamfords HWTon, 132 targer, Rie, Ind.Ag., VerDiny, VerDiny, Pert J. Verbinds Speed Valle Circl., 193 targer, Rie, Ind.Ag., VerDiny, VerDiny, Pert J. Verbinds Speed Valle Circl., 193 targer, VerDiny, Pert J. CweECT HWTon, 132 targer, VerDiny, Pert J. More VerDiny, Revision, 133 targer, VerDiny, Pert J. Werding Speed, Revision, 133 targer, VerDiny, Pert J. Werding Speed, Revision, 133 targer, VerDiny, Revision, 133 targer, VerDiny	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
Israge R.Re Inst. Ap. VehDyn VehDyn Pert TorqueCmdCFF, Mithm 122 Israge L.Re Inst. Ap. VehDyn VehDyn Pert VehicleSpeed, Kph 132 Israge L.VehDyn Pert ContEOT Mobe, 172 value 1095 10005 Israge L.Re Inst. Ap. VehDyn VehDyn Pert VehicleSpeed, Kph 132 Israge L.VehDyn Pert ContEOT Mobe, 172 value 1095 10005 Israge L.Re Inst. Ap. VehDyn Pert Mobe, 172 value 1095 10005 Israge L.Re Inst. Ap. VehDyn Pert Mobe, 172 value 1095 10005 Israge L.VehDyn Pert Mobro (Inst. Pert Mobro (Ins	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Re_inst_Ap_VehDyn_Pert_VehicleSpeedValid_Cnt_lgc ingregt_Re_inst_Ap_VehDyn_Pert_VehicleSpeed_Kph_132 ingregt_VehDyn_Pert_ConEOT_HWDeg_S2_value 1096.10205 ingregt_VehDyn_Pert_ConEOT_HWDeg_S2_value 1096.10205 ingregt_VehDyn_Pert_ConEOT_HWDeg_S2_value 1096.10205 ingregt_VehDyn_Pert_Mortore_HWMn_S2_value 1096.10205 ingregt_VehDyn_Pert_Mortore_WehMyn_S2_value 1096.10205 ingregt_VehDyn_Pert_Mortore_WehMyn_S2_value 1096.10205 ingregt_VehDyn_Pert_Mortore_WehMyn_S2_value 1096.10205 ingregt_VehDyn_Pert_Mortore_WehMyn_S2_value 1096.10205 ingregt_VehDyn_Pert_VehicleSpeed_Kph_152_value 1096.102	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
larged_VenDyn_Pert_CockEOT_Hubogs_322_value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_VehDyn_Pert_CwEOT_HwDeg_132_value 1024 98999	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
International Content Inte	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_HivTorque_Hwlm_rg2.value -759.299988 target_VehDyn_Per1_ReilwPor_HivTagbs_ff2.value -1438.80005 target_VehDyn_Per1_ReilwPor_HwDeg_rf2.value -1438.80005 target_VehDyn_Per1_VehiclesSpeed_Kph_rg2.value 1 target_VehDyn_Per1_VehiclesSpeed_Kph_rg2.value 0 VehDyn_AllowHiSpAdutoCntr_Cnt_M_rgc 1 1 4 VehDyn_AutoCntrDelSpd_M_str_Timer1_mS_us2 164484918 4	target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1024.98999		
Isrget_VehDyn_Pert_MotorVeiCRF_Mirkmagbs_132_value .759_299988	target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1095.10205		
target_VehDyn_Pert_RethWPos_HvhOgs_R2s_Value	target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6		
	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.299988		
Iarget_VehDyn_Pert_VehicleSpeed_Kpt_152_value	target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.80005		
Starget_VehDyn_Per1_VehicleSpeed_Kph_132_value		-8.39999962		
Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_Migo 1 1 1 VehDyn_AutoCntrDetSpd_M str.Timer1_mS_u32 164464918 164464918 VehDyn_AutoCntrDetSpd_M str.Timer2_mS_u32 3589476708 3589476708 VehDyn_AutoCntrDetSpd_M str.ReiHwPoSelfitSV_HwDeg_str.SV_Uls_f32 -1753.5 -1753.5 ± 0.009 VehDyn_AutoCntrDetSpd_M str.ReiHwPoSelfitSV_HwDeg_str.SV_Uls_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M str.ReiHer1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M str.Timer1_mS_u32 463842816 468842816 VehDyn_AutoCntrHiSpd_M str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M str.Filter2Initialized_Cnt_lgc 1 1 1 1 VehDyn_AutoCntrHiSpd_M str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M str.Filter2Initialized_Cnt				
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VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 164464918 164464918 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 3589476708 3589476708 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1753.5 -1753.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_MaxOffset_HwDeg_M_f32 413.810059 413.809998<				
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 164464918 164464918 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476708 3589476708 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1753.5 -1753.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_LoSpd_Learn_Cnt_M_lgc 1 1 VehDyn_Initialized_Cnt_M_lgc 1 1 VehDyn_LoSpdLearn_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_PinTrqSV_M_str.SV_UIs_f32 3.19639373 3.19639349 ± 0.000009 <	·			
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 164464918 164464918 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476708 3589476708 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1753.5 -1753.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_UIs_f32.value 0.330000013 0.330000013 ± 0.004 VehDyn_PinTrqSV_M_str.SV_UIs_f32.value			1	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 164464918 164464918 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476708 3589476708 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -1753.5 -1753.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_UIs_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.330000013 0.330000013 ± 0.004	·		0	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3589476708 3589476708 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -1753.5 -1753.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_UIs_f32 3.19639373 3.19639349 ± 0.000009 Varget_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.330000013 0.330000013 ± 0.004			164464918	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 -1753.5 -1753.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 -1900.19995 -1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004				_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004		111		_
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004				~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004				
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004				•
VehDyn_HiSpdLearnt_Ont_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004				
VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004				~
VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 698.630005 698.630005 VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004		1	1	~
VehDyn_MaxOffset_HwDeg_M_f32 698.630005 ✓ VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 ✓ VehDyn_PinTrqSV_M_str.SV_UIs_f32 3.19639373 3.19639349 ± 0.000009 ✓ target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.330000013 0.330000013 ± 0.004 ✓				~
VehDyn_MinOffset_HwDeg_M_f32 413.810059 413.809998 VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004			698.630005	
VehDyn_PinTrqSV_M_str.SV_Uls_f32 3.19639373 3.19639349 ± 0.000009 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.330000013 0.330000013 ± 0.004				~
target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.330000013 0.330000013 ± 0.004 ✓				~
				•
		-238.23999	-238.240005 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓



Test Step 2.70 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	4.1999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	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
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	88.5
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006 18.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.599985
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_UIs_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_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985
k_TravelXCDeadband_Uls_f32	97.7300034
k TravelXCHwAuthority Uls f32	0.0974749997
target DtrmnElapsedTime mS u32 ElapsedTime	569984000
target GetSystemTime mS u32 CurrentTime	1759885568
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32
0	target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_I	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.449997		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	219286216	219286216	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.580017	935.580017 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	~
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	_
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1759885568	1759885568	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657	4004004657	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.09998	-1887.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	1759885568	1759885568	✓
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3796740682	3796740682	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.580017	935.580017 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	_
VehDyn HiSpdLearnt Cnt M Igc	0	0	•
VehDyn Initialize Cnt M Igc	1	1	_
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	1106.00903	1106.00903	-
VehDyn_MinOffset_HwDeg_M_f32	-1018.72998	-1018.72998	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39943027	-5.3994298 ± 0.000009	-
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0460000001	0.0460000001 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-901.72998	-901.72998 ± 0.1	-

Τ			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.71 (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	

2014-09-19, 20:47:45+0530



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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657	4004004657	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.799988	-888.799988 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001	2600.1001 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.19995	-1753.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5	1885.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.799988	-888.799988 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001	2600.1001 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1116.91602	1116.91602	~
VehDyn_MinOffset_HwDeg_M_f32	-1012.46997	-1012.46997	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59978819	7.59978867 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.879999995	0.879999995 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0.0999755859	0.100000001 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 2967684784		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631 2760420810		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5		
VehDyn AutoCntrLoSpd M str.ReiHwPosFilt1SV HwDeg str.K Uls f32	5.26000003e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995		
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_UIs_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391000009		
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.0799999982 -881.210022		
k HiSpdVDAuthority Uls 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_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwD	0eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF	- ' -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAu		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdC 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	-1006.21002	_κριι_132	
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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810	2760420810	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5	148.5 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.1001	-2500.1001 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.5	148.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-772.276978	-772.276978	~
VehDyn_MinOffset_HwDeg_M_f32	-977.958008	-977.958008	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59640932	-1.59640932 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0799999982	0.0799999982 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-881.210022	-881.210022 ± 0.1	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te Inst Ap VehDyn	target Rte Inst Ap VehDyn
'ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	126.099998
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.099999
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 Igc	0

2014-09-19, 20:47:45+0530

Input Value

VehDyn_Per1

Name



Hame	iliput value		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.199997		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.799988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.2999998e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001		
	0.00079000002		
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_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
	1		
VehDyn_Initialize_Cnt_M_lgc			
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	718.598022		
VehDyn_MinOffset_HwDeg_M_f32	-971.273987		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391999987		
VehDyn_SLPHwAuth_Uls_M_f32	0.0970000029		
VehDyn_SLPHwPos_HwDeg_M_f32	-870.950012		
k_HiSpdVDAuthority_Uls_f32	1		
k LoSpdVDAuthority Uls f32	0		
k SysKinRatio MtrDegpHwDeg f32	86.5		
k_TravelXCDeadband_Uls_f32	97.1100006		
k_TraveIXCHwAuthority_Uls_f32	0.101149999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984		
target_GetSystemTime_mS_u32_CurrentTime	2127166208		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwD)eg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutl	hority Uls f32	
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCR		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedV		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-999.950012		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.72998		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.53999996		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.899994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1887.30005		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.3600006		
		Evanated Value	Daguit
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	•
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4211268631	4211268631	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	425.799988	425.799988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012	935.200012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1887.19995	-1887.19995 ± 0.009	
venbyn_Autoenuniopu_w_su.i iller i Enable_eni_ige	-1887.19995		-
Vah Dung Auto Cotal IS and Mart - Filtra Contain	-1887.19995 0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1887.19995 0 0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1887.19995 0	0	
	-1887.19995 0 0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	-1887.19995 0 0 0	0 0 0	•

4211268631

425.799988

-2400.1001

4211268631

425.799988 ± 0.0009

-2400.1001 ± 0.009

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	718.598022	718.598022	~
VehDyn_MinOffset_HwDeg_M_f32	887.350037	887.349976	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.50272346	1.50272346 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0970000029	0.0970000029 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-870.950012	-870.950012 ± 0.1	~

2014-09-19, 20:47:45+0530



Worthy, Austonia (Sept. A), in Resharbanis (Sept. Sent), and Sept. (Sept. Sept. Sent), and Sept. (Sept. A), and Sent Sept. (Sent), and Sent Sept. (Sept. A), and Sent Sept. (Sept. Sept. S	Name	Input Value		
Verbin AutoContect M. ST-Pite Floated Total Control	VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.19995		
Visitory_Auction cology_A_memory_aution_cology_cology_cology_aution_cology_A_memory_aution_cology_A_memory_aution_cology_A_memory_aution_cology_A_memory_aution_cology_a_memory_aution_cology_A_memory_aution_cology_a_memory_a_memory_		0.000791999977		
NonDright Application (Sept.) Application (Part of College 0	, - ,	1		
Verbilly Auto-Contack (M. st. Filter Intellated Coll (g): Verbilly Auto-Contack (M. st. Filter Int		0		
Velocity Missister Cirk Mige				
VanDuch, Testings, Cort, M. 195		1		
Validation Markete, Orit M. Ago		1		
\[Verbilly_Resident _New Core_N_gg		0		
Verbing Marchine Leibong 1.02		1		
VenDyn Mortlew Mark V, Us 12				
Verboy_PartingN_M_Ret N_UB_M_S2	, – – – –	-964.590027		
Workprop SIPP-Name Mis		-1.60000002		
Verify Part				
Nebgor N				
X. LSpaPOMAMOND, UB_122				
Li, DesproVolumbray, Use, 150 1				
E. Systematian Michage Hower 12		1		
		42		
		96.0800018		
target_PrimeEleporeTime_ms_VLV2C_UnrecTime target_Ris_His_Ed_A_VerbDyn-Worldow_Pert_CovECT_HANDs_RIS_2				
Langet, Ref. 1942				
Langet Regin Earl Ap VerliDny North Perf Cox607 HwDeg 52				
			2	
tanger, Rel. Inst. Ag. VenDry NehDyn Pertr, Montrovice Riskmands (12)				
Isanget, Relin, Inst. Ap. Veribry with Print, Michard Sci. 22 Isanget, Relin, Inst. Ap. Veribry with Veribre, The Relinhora, Linkberg, 122 Isanget, Relin, Inst. Ap. Veribry with Veribre, Relinhora, Linkberg, 122 Isanget, Relinhora, Veribry with Veribre, Print,				
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VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -888.299988 -888.299988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 -1753.09998 -1753.09998 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 383750110 383750110 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2160073393 2160073393 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 2800.5 -2000.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc				¥
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VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 383750110 383750110 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2160073393 2160073393 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitl1SV_HwDeg_str.SV_UIs_f32 -2000.5 -2000.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitl2SV_HwDeg_str.SV_UIs_f32 2800.19995 2800.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_PinTrqSV_M_str.Sv_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 9 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 383750110 383750110 383750110 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2160073393 2160073393 2160073393 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2000.5 -2000.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 2800.19995 2800.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 149.63696 149.63696 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59574163 -1.59574151 ± 0.0000009				
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 383750110 383750110 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2160073393 2160073393 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 -2000.5 -2000.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 2800.19995 2800.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				Y
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2160073393 2160073393 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -2000.5 -2000.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 2800.19995 2800.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -2000.5 -2000.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 2800.19995 2800.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				Y
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 2800.19995 2800.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009	· · · · · · · · · · · · · · · · · · ·			
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VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				V
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				
VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				-
VehDyn_Initialize_Cnt_M_lgc 1 1 4 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 4 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009 -1.59574151 ± 0.000009				~
VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.59574163 -1.59574151 ± 0.000009				~
VehDyn_MaxOffset_HwDeg_M_f32 1149.63696 1149.63696 VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59574163 -1.59574151 ± 0.000009				~
VehDyn_MinOffset_HwDeg_M_f32 -993.690002 -993.690002 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59574163 -1.59574151 ± 0.000009				~
VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.59574163 -1.59574151 ± 0.000009				~
	,			~
target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 0.114 0.114 0.004				~
	target_venDyn_Per1_SensorlessAuthority_Uis_f32.value	U.114	U.114 ± U.004	-





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-860.690002	-860.690002 ± 0.1	~

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

est Step 2.75 (Repeat Count = 1)	Innut Value
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	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
hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.22999995e-006
hDyn_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
hDyn_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
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456
hDyn 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
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
ehDyn AutoCntrLoSpd M str.Timer1 mS u32	2138628886
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
hDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1900.09998
hDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	5.37999986e-005
hDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn HiSpdLearnt Cnt M Igc	0
	0
hDyn_Initialize_Cnt_M_lgc	
ehDyn_LoSpdLearnt_Cnt_M_lgc	0
ehDyn_MaxOffset_HwDeg_M_f32	728.58197
ehDyn_MinOffset_HwDeg_M_f32	-957.906006
ehDyn_PinTrqSV_M_str.SV_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_UIs_f32	0		
k_LoSpdVDAuthority_UIs_f32	12.1000004		
k_SysKinRatio_MtrDegpHwDeg_f32	95.0500031		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_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_f3	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt		
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	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998	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 -1438.09998	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 -1438.09998 1	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	1900.09998 -1438.09998 1	1900.09998 ± 0.009 -1438.09998 ± 0.009 1	·
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	1900.09998 -1438.09998 1 1 0	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1	· · · · · · · · · · · · · · · · · · ·
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	1900.09998 -1438.09998 1 1 0 0	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 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	1900.09998 -1438.09998 1 1 0 0 1050692864	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864	· · · · · · · · · · · · · · · · · · ·
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	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620	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 -1438.09998 1 1 0 0 1050692864 109643620 425.200012	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 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5	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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0	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	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0	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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0 0	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter1Eniable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0 0 0	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0 0	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 0	· · · · · · · · · · · · · · · · · · ·
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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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 1050692864 54822322 1900.09998	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	**************************************
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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.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.ReiHwPosFilt2SV_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.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1900.09998 -1438.09998 1 1 0 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 1050692864 54822322 1900.09998 -1438.09998 0	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1	**************************************
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.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.ReiHwPosFilt2SV_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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1900.09998 -1438.09998 1 1 0 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 1050692864 54822322 1900.09998 -1438.09998 0 1	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1	**************************************
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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1900.09998 -1438.09998 1 1 0 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 1050692864 54822322 1900.09998 -1438.09998 0 1 1 0	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 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.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_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.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	1900.09998 -1438.09998 1 1 0 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 1050692864 54822322 1900.09998 -1438.09998 0 1 1 0 0 0	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 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_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.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.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	1900.09998 -1438.09998 1 1 0 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 11050692864 54822322 1900.09998 -1438.09998 0 1 1 1 0 0 0 1	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 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.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_AutoCntrHiSpd_M_str.Filter1Enitialized_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.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.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_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 1050692864 54822322 1900.09998 -1438.09998 0 1 1 1 0 0 11 0 0 11 0 1160.54395 -987.429993	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 0 1	
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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrAllscan_Cnt_M_lgc VehDyn_AutoCntrAllscan_Cnt_M_lgc VehDyn_AutoCntrAllscan_Cnt_M_lgc VehDyn_PinTrqSV_M_str.SV_Uls_f32	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 1050692864 54822322 1900.09998 -1438.09998 0 1 1 0 0 11 0 0 11 0 1160.54395 -987.429993 -14.7902985	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 0 1 1 0 0 11 0 11 0 9 1160.54395 -987.429993 -14.7902975 ± 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_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_AutoCntrHoSpd_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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1900.09998 -1438.09998 1 1 0 0 1050692864 109643620 425.200012 935.5 0 0 0 1 1050692864 54822322 1900.09998 -1438.09998 0 1 1 1 0 0 11 0 0 11 0 1160.54395 -987.429993	1900.09998 ± 0.009 -1438.09998 ± 0.009 1 1 0 0 1050692864 109643620 425.200012 ± 0.0009 935.5 ± 0.0009 0 1 1050692864 54822322 1900.09998 ± 0.009 -1438.09998 ± 0.009 0 1 1 0 0 1 1 0 0 11 0 0 11 0 1160.54395 -987.429993	

T ·				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•



Test Step 2.76 (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_lgc	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 32821
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393 0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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 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	566
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2999992
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	12
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2000008
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	-1900.19995
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_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	-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_Uls_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_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32



Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005	-2000.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888.299988	-888.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861	2345892861	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	733.573975	733.573975	~
VehDyn_MinOffset_HwDeg_M_f32	-92.2699585	-92.2699966	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7921391	17.7921391 ± 0.00009	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.148000002	0.148000002 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-840.169983	-840.169983 ± 0.1	•

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.77 (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	

2014-09-19, 20:47:45+0530



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_Uls_f32	-1988.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000798000023
VehDyn_AutoCntrl_oSpd_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_UIs_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
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1182.35803
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.00999999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	





Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.820007		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998	-1988.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425.200012	425.200012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.09998	-1988.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	738.565979	738.565979	~
VehDyn_MinOffset_HwDeg_M_f32	-944.538025	-944.538025	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99838495	-6.99838495 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.165000007	0.165000007 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-829.909973	-829.909973 ± 0.1	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.78 (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_lgc	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	0.00079999998
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024 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_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	10.3000002		
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_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16	3277		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810 1078320779		
VehDyn_AutoCntrLoSpd_M_str.1imer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-753.200012		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV_HwDeg_str.Sv_Ois_i32	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_lgc	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_UIs_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000396999996		
VehDyn_SLPHwAuth_Uls_M_f32	0.181999996 -819.650024		
VehDyn_SLPHwPos_HwDeg_M_f32 k_HiSpdVDAuthority_Uls_f32	0		
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	96		
k TravelXCDeadband Uls f32	91.9599991		
k_TravelXCHwAuthority_Uls_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_Hwl	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwD	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hv	vNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAu	, <u> </u>	
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_Igc	target_VehDyn_Per1_VehicleSpeed		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	_Kpn_r32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-968.650024		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1193.26501 -4.01999998		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	752.099976		
target_VehDyn_Per1_MotorvelCRr_MitRadpS_is2.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-423.399994		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.720001		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	1.cou
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2075080192	2075080192	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	,
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
Validation Assistance Parkers Assistance Pitters Assistance Assist	4	4	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	255468	255468	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.30005	-1900.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.80005	-2000.80005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1193.26501	1193.26501	~
VehDyn_MinOffset_HwDeg_M_f32	-968.650024	-968.650024	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.2959094	6.29590893 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.181999996	0.181999996 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-819.650024	-819.650024 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_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	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 Igc	0

2014-09-19, 20:47:45+0530

Input Value



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		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981		
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		
	2138628886		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32			
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		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005		
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		
k_HiSpdVDAuthority_Uls_f32	1		
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	HwDea f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque		
	target_VehDyn_Per1_MotorVel		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPo		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_Sensorles		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorles		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSp	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSp	peed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.609985		
		Expected Value	Popul
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	,
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	328928812	328928812	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	
. S J Autoonti nopu w str. Non iwi osi iti ov Tiwocy str. ov Ois 132		1900.09998 ± 0.009	
		1900.09990 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.09998	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_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	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 0	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0 0 0 1	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	0 0 0	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0 0 0 1	0 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 0 1 954802432	0 0 1 954802432	•





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1204.172	1204.172	~
VehDyn_MinOffset_HwDeg_M_f32	-962.390015	-962.390015	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79487991	7.79487944 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.199000001	0.199000001 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-809.390015	-809.390015 ± 0.1	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Apple
arget_GetSystemTime_mS_u32_CurrentTime arget_Rte_Inst_Ap_VehDyn 4.1399994 6.0999985 .4000001 5.3999996 0423 1368 64464918 28928812 753.799988 .2800001e-006 1900.19995 .00080400001
4.1399994 6.099985 .400001 5.399996 0423 1368 64464918 28928812 753.799988 .2800001e-006 1900.19995
4.139994 6.099985 .400001 5.399996 0423 1368 64464918 28928812 753.799988 .2800001e-006 1900.19995
4.139994 6.099985 .400001 5.399996 0423 1368 64464918 28928812 753.799988 .2800001e-006 1900.19995
6.099985 .400001 5.399996 0423 1368 64464918 28928812 753.799988 .2800001e-006 1900.19995
.400001 5.3999996 0423 1368 64464918 28928812 753.799988 .2800001e-006 1900.19995
5.399996 0423 1368 64464918 28928812 753.799988 .2800001e-006 1900.19995
0423 1368 64464918 28928812 753.799988 .2800001e-006 1900.19995
1368 64464918 28928812 753.799988 .2800001e-006 1900.19995
64464918 28928812 753.799988 .2800001e-006 1900.19995 .00080400001
28928812 753.799988 .2800001e-006 1900.19995 .00080400001
753.799988 .2800001e-006 1900.19995 .00080400001
.2800001e-006 1900.19995 .00080400001
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.1000002
8.4000015
3970
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078320779
83750110
753.299988
.000592000026
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.30000019
6.1999969
235
7074
174948759
345892861
2500.19995
1

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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_UIs_f32	3.20000005		
VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32	0.000399000011		
VehDyn_SLPHwPos_HwDeg_M_f32	0.216000006 -799.130005		
k_HiSpdVDAuthority_Uls_f32	0		
k_LoSpdVDAuthority_UIs_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031		
k_TravelXCDeadband_Uls_f32	89.9000015		
k TravelXCHwAuthority Uls f32	0.109724998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568		
target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	/ltrNm_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	-6.03999996		
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	I=	1=
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080 328928812	2728878080 328928812	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32			
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988 -1900.19995	-753.799988 ± 0.0009 -1900.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	O	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	
	0	0	
VehDvn AutoCntrHiSnd M str Timer1 mS u32	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 1 1078320779	0 1 1078320779	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 1 1078320779 383750110	0 1 1078320779 383750110	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 1 1078320779	0 1 1078320779	
VehDyn_AutoCntrHiSpd_M_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 1078320779 383750110 -753.299988	0 1 1078320779 383750110 -753.299988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 1 1078320779 383750110 -753.299988 -1900.19995	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 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	0 1 1078320779 383750110 -753.299988 -1900.19995	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 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	0 1 1078320779 383750110 -753.299988 -1900.19995 0	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 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	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 -2400.3999 ± 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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999 0	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 -2400.3999 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999 0	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 -2400.3999 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999 0 0	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 -2400.3999 ± 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.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	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999 0 0 0	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 -2400.3999 ± 0.009 0 0 0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999 0 0 0 0	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 -2400.3999 ± 0.009 0 0 0 0 0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999 0 0 0 0 1 1 1 1 -241.620972	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 0 0 0 0 1 1 1 -241.621002	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999 0 0 0 1 1 1 1 -241.620972 -924.486023	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 0 0 0 0 1 1 1 -241.621002 -924.486023	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_MaxOffset_HwDeg_M_f32	0 1 1078320779 383750110 -753.299988 -1900.19995 0 1 1 1 0 2728878080 2345892861 -2500.19995 -2400.3999 0 0 0 0 1 1 1 1 -241.620972	0 1 1078320779 383750110 -753.299988 ± 0.0009 -1900.19995 ± 0.009 0 1 1 0 2728878080 2345892861 -2500.19995 ± 0.009 0 0 0 0 1 1 1 -241.621002	





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1600	1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

est Step 2.81 (Repeat Count = 1) ame	Input Value
	·
trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime_mS_u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
	2.5
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	
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.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	45.5
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.199997
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.0999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	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.Timer1_m3_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.Hinerz_ms_usz 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.RelHwPosFilt1SV_HwDeg_str.R_UIs_f32	2800.30005
enDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_ois_i32 ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00806000025
	0.00000000025
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	
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





Name	Input Value		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00039999999		
VehDyn_SLPHwAuth_Uls_M_f32	0.232999995		
VehDyn_SLPHwPos_HwDeg_M_f32	-788.869995		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	96.5		
k_TravelXCDeadband_Uls_f32	88.8700027		
k_TravelXCHwAuthority_Uls_f32	0.110950001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_(
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target VehDyn Per1 CwEOT HwDeg f32.value	-949.869995 1225.98596		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.05000019		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	159.600006		
target VehDyn Per1 RelHwPos HwDeg f32.value	-758.799988		
target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.070007		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	/ /
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	219286216	219286216	·
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005	2600.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005	2800.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	758.533997	758.533997	~
VehDyn_MinOffset_HwDeg_M_f32	-191.070007	-191.070007	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.40069056	-5.40069008 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.232999995	0.232999995 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-788.869995	-788.869995 ± 0.1	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓



Test Step 2.82 (Repeat 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	120.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.29999989e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000595999998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000184000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
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	5.66000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	763.526001
VehDyn_MinOffset_HwDeg_M_f32	-911.117981
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000400999998
VehDyn_SLPHwAuth_Uls_M_f32	0.25
VehDyn_SLPHwPos_HwDeg_M_f32	-778.609985
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	87.8399963
k_TravelXCHwAuthority_Uls_f32	0.112175003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3	32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_	_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrF	RadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthorit	target_VehDyn_Per1_SensorlessAuthority_Uls_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_N	ftrNm_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	-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	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	~	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	309385728	309385728	✓	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2500.30005	-2500.30005 ± 0.009	~	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-753.200012	-753.200012 ± 0.0009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0		
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	~	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1	1		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861	2345892861	✓	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2500.30005	-2500.30005 ± 0.009	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988	-753.799988 ± 0.0009	•	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•	
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1	-	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3589476708	3589476708	•	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2760420810	2760420810	•	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	•	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.40002	-1438.40002 ± 0.009	•	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	•	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn HiSpdLearnt Cnt M Igc	1	1	✓	
VehDyn Initialize Cnt M Igc	1	1	~	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓	
VehDyn_MaxOffset_HwDeg_M_f32	1236.89294	1236.89294	~	
VehDyn_MinOffset_HwDeg_M_f32	-943.609985	-943.609985	✓	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59373665	7.59373665 ± 0.000009	~	
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.25	0.25 ± 0.004	✓	
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-778.609985	-778.609985 ± 0.1	~	
a.go 55 yri_r or r_oonoonood twi os_riwbog_toz.value		. 70.00000 ± 0.1		

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	~

Test Step 2.83 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	

2014-09-19, 20:47:45+0530



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	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.869995		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.3999	2600.3999 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.100006	456.100006 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995	2600.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.30005	1950.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1247.80005	1247.80005	✓
VehDyn_MinOffset_HwDeg_M_f32	-937.349976	-937.349976	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50024426	1.50024426 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.26699999	0.26699999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-768.349976	-768.349976 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.84 (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

2014-09-19, 20:47:45+0530



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998		
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008		
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258		
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	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	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 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_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	773.51001		
VehDyn_MinOffset_HwDeg_M_f32	-897.75		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403000013		
VehDyn_SLPHwAuth_Uls_M_f32	0.284000009		
VehDyn_SLPHwPos_HwDeg_M_f32	-758.090027		
k_HiSpdVDAuthority_UIs_f32	0		
k_LoSpdVDAuthority_UIs_f32	1 10.1000004		
k_SysKinRatio_MtrDegpHwDeg_f32 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 f3	2	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target VehDyn Per1 HwTorque HwNm f3		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRa		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	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	154.399994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1900.59998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.070007		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
		2942063360	- I
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360	204200000	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2942063360 3174948759	3174948759	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3174948759 -2400.5	3174948759 -2400.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	

2014-09-19, 20:47:45+0530

VehDyn_Per1



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810	2760420810	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005	-2500.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657	4004004657	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.40002	1885.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-641.892944	-641.893005	~
VehDyn_MinOffset_HwDeg_M_f32	-897.75	-897.75	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59865212	-1.59865212 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.284000009	0.284000009 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-758.090027	-758.090027 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	136.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
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	3.33000003e-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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2014-09-19, 20:47:45+0530



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	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.600006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	96.3000031 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		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.77999999e-005		
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 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_Uis_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	0.300999999 -747.830017		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_UIs_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004		
k_TravelXCDeadband_Uls_f32	84.75		
k_TraveIXCHwAuthority_UIs_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		
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_ target_VehDyn_Per1_HwTorque_HwNi		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDo	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo	s_HwDeg_f32	
target_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_VehicleSpeedVal		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K	ph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	-924.830017		
target VehDyn Per1 HwTorque HwNm f32.value	1269.61401 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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	<u> </u>
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.6001 2600.1001	2800.6001 ± 0.009 2600.1001 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.3999	2600.3999 ± 0.009	<u> </u>
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
Vel Des Astronomico de Maria Etti CE de Contra		_	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
	0		

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5	753.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003	142.300003 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	778.502014	778.502014	~
VehDyn_MinOffset_HwDeg_M_f32	975.769958	975.77002	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7931299	-14.7931299 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.300999999	0.300999999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-747.830017	-747.830017 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	✓

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	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	3.33999992e-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.Timer1_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.FiltPinTrq_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

2014-09-19, 20:47:45+0530



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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000815999985		
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	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_UIs_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000404999999		
VehDyn_SLPHwAuth_Uls_M_f32	0.317999989 -737.570007		
VehDyn_SLPHwPos_HwDeg_M_f32 k_HiSpdVDAuthority_UIs_f32	0		
k LoSpdVDAuthority Uls 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_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwN	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_N		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwI	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwP		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRf		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedVe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_I -918.570007	Λριι_132	
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	-1.89999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.3099995		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32		0.400.00005 . 0.000	
	-2400.30005	-2400.30005 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0	0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1	0 0 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 0 0 1 3174948759	0 0 0 1 3174948759	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1	0 0 0 1	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 0 0 1 3174948759 3796740682	0 0 0 1 3174948759 3796740682	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	0 0 0 1 3174948759 3796740682 -1438.19995	0 0 0 1 3174948759 3796740682 -1438.19995 ± 0.009	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5	0 0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5	0 0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0	0 0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0	0 0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1	0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005	0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009	
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	0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005 -1900.5	0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005 -1900.5 1	0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009	
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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005 -1900.5 1	0 0 1 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005 -1900.5 1 0 0 0	0 0 0 1 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005 -1900.5 1 0 0 0	0 0 0 1 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_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.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_HiSpdLearn_Cnt_M_lgc	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005 -1900.5 1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_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.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	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005 -1900.5 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 0 0 1 1 1 1	
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.RelHwPosFilt1SV_HwDeg_str.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 0 1 3174948759 3796740682 -1438.19995 -2400.5 0 1 1 0 1024 3589476708 -1988.30005 -1900.5 1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 3174948759 3796740682 -1438.19995 ± 0.009 -2400.5 ± 0.009 0 1 1 0 1024 3589476708 -1988.30005 ± 0.009 -1900.5 ± 0.009 1 0 0 0 1	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7938347	17.7938347 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.317999989	0.317999989 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-737.570007	-737.570007 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte 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	3.0999999
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	52.0999985
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	21335
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34188
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Uls_f32	3.35000004e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2800.1001 0.000818
	0.000818
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1 0
7 - 7 - 2	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.5400009
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124
/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	3.29999995
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_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	788.486023
/ehDyn MinOffset HwDeg M f32	-877.697998

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Name	Input Value	
VehDyn_PinTrqSV_M_str.SV_Uls_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_Uls_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_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	-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_Igc.value	0	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.8700008	
Name	Actual Value Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1 1	✓
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2553156835 2553156835	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682 3796740682	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3796740682 3796740682 753.099976 753.099976 253.099970 253.099970 253.099970 253.0099700	
		✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009	<i>y</i>
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 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	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009 1 1 1 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009 1 1 1 1 1 1 1 0 0 0 3437401088 3437401088	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009 1 1 1 1 1 1 1 0 0 0 3437401088 3437401088 4004004657 4004004657 753.200012 753.200012 ± 0.0009 2800.6001 2800.6001 ± 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	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009 1 1 1 1 1 1 1 0 0 0 3437401088 3437401088 4004004657 4004004657 753.200012 753.200012 ± 0.0009 2800.6001 2800.6001 ± 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.RelHwPosFilt1SV_HwDeg_str.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	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009 1 1 1 1 1 1 1 0 0 0 3437401088 3437401088 4004004657 4004004657 753.200012 753.200012 ± 0.0009 2800.6001 2800.6001 ± 0.009 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	753.099976 753.099976 ± 0.0009 2800.1001 2800.1001 ± 0.009 1 1 1 1 1 1 1 0 0 0 0 3437401088 3437401088 4004004657 4004004657 753.200012 753.200012 ± 0.0009 2800.6001 2800.6001 ± 0.009 0 0 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	753.099976 2800.1001 2800.1001 2800.1001±0.009 1 1 1 1 1 1 1 0 0 3437401088 4004004657 753.200012 2800.6001 2800.6001 2800.6001 2800.6001 0 0 0 1 1 1 1 1 1 1 1 1 1 0 0 0 0 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_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.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.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_Initialize_Cnt_M_lgc	753.099976 2800.1001 2800.1001 2800.1001±0.009 1 1 1 1 1 1 1 1 1 0 0 3437401088 4004004657 753.200012 2800.6001 2800.6001±0.009 0 0 0 0 0 1 1 1 3437401088 3437401089 4004004657 753.200012 753.200012±0.0009 0 0 0 0 0 1 1 1 1 1 3437401088 3437401088 3437401088 3437401088 3796740682 1988.5 1988.5 1988.5 1988.5 1988.5 1988.5 1988.5 1988.5 1988.5 1009 1 1 1 1 1 1 1 1 0 0 0 1 1 1 0 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.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.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_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	753.099976 2800.1001 2800.1001 2800.1001±0.009 1 1 1 1 1 1 1 1 1 0 0 3437401088 4004004657 753.200012 2800.6001 2800.6001±0.0009 0 0 0 0 0 1 1 1 1 3437401088 3437401088 3437401089 0 0 0 0 0 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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.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	753.099976 2800.1001 2800.1001 2800.1001±0.009 1 1 1 1 1 1 1 1 1 1 0 0 3437401088 4004004657 753.200012 2800.6001 2800.6001 2800.6001 2800.6001 0 0 0 1 1 1 1 3437401088 3437401088 3437401089 0 0 0 0 0 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.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.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.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_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	753.099976 2800.1001 2800.1001 2800.1001±0.009 1 1 1 1 1 1 1 1 1 0 0 3437401088 4004004657 753.200012 2800.6001 2800.6001±0.0009 0 0 0 0 0 1 1 1 1 3437401088 3437401088 3437401089 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•



Fest Step 2.88 (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_lgc	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 ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	36416 2760420810
ehDyn_AutoCntrDetSpd_M_str.Timer1_ms_us2 ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_us2	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	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.1999969
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.1999981
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.099985
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 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1988.80005 0.000607999973
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt15V_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	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
'ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
'ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0
ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	400.5
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
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000820000016
/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 ehDyn Initialize Cnt M lgc	1
ehDyn_initiatize_Cht_M_igc	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	54.0999985
TravelXCDeadband_Uls_f32	81.6600037
_TravelXCHwAuthority_Uls_f32	0.119525
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
arget_GetSystemTime_mS_u32_CurrentTime	3494315776
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32



Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_F	lwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority Uls 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 TorqueCm	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSp	eed_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 lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.4099998			
Name	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M lgc	0	0	7100dii	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3494315776	3494315776	_	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	54822322	54822322		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.5	-1988.5 ± 0.009	_	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1438.30005	-1438.30005 ± 0.009		
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	_	
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0		
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	·	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1	1		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708	3589476708	_	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631		
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.80005	-1988.80005 ± 0.009	_	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009		
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1	1	_	
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1		
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	_	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	109643620	109643620	•	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657	4004004657		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1991.30005	1991.30005 ± 0.009	_	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.69995	1900.69995 ± 0.009		
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1	_	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0	_	
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1		
VehDyn Initialize Cnt M Igc	1	1		
VehDyn LoSpdLearnt Cnt M Igc	1	1	_	
VehDyn MaxOffset HwDeg M f32	793.478027	793.478027		
VehDyn MinOffset HwDeg M f32	-871.013977	-871.013977		
VehDyn PinTrqSV M str.SV Uls f32	7.79798317	7.79798317 ± 0.000009		
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.351999998	0.351999998 ± 0.004		
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-717.049988	-717.049988 ± 0.1		

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.89 (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	

2014-09-19, 20:47:45+0530



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_mwnordue_nwinin_i32 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_0is_is2 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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998	1988.59998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	463842816	463842816	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.80005	1988.80005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	463842816	463842816	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.5	-2000.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	798.469971	798.469971	~
VehDyn_MinOffset_HwDeg_M_f32	1600.31006	1600.31006	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.20002365	3.20002341 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.368999988	0.368999988 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-706.789978	-706.789978 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.90 (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

2014-09-19, 20:47:45+0530



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_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.699997		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.699997		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.6999981		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000409		
VehDyn_SLPHwAuth_Uls_M_f32	0.386000007		
VehDyn_SLPHwPos_HwDeg_M_f32	-696.530029		
k_HiSpdVDAuthority_Uls_f32	0		
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985		
k_TravelXCDeadband_Uls_f32	79.5999985		
k_TravelXCHwAuthority_Uls_f32	0.121974997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752		
target_GetSystemTime_mS_u32_CurrentTime	1759885568		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_h		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.7700005		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	•
		4000007005	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4290967295 1991.40002	4290967295 1991.40002 ± 0.009	

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5	-1988.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005	1900.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.69995	-1482.69995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1324.14905	1324.14905	~
VehDyn_MinOffset_HwDeg_M_f32	-893.530029	-893.530029	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39637709	-5.39637709 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.386000007	0.386000007 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-696.530029	-696.530029 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.91 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	14.199998
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

2014-09-19, 20:47:45+0530



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.FiltPinTrq_HwNm_f32	13.1999998		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.3000002		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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_Igc	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	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_Uls_f32	1		
k_LoSpdVDAuthority_UIs_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992		
k_TravelXCDeadband_Uls_f32	78.5699997		
k_TravelXCHwAuthority_Uls_f32	0.123199999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target_GetSystemTime_mS_u32_CurrentTime	1662097408	roo	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	-	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthorit		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph	1_132	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-887.27002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1335.05603		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.5999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.600006		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2400.1001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	-8 0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6300011	1=	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Y
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002	-2000.40002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.09998	1988.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	v
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
	0000 00005	-2000.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998	1988.59998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1988.59998 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	1988.59998 0 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	1988.59998 0 0 0	0 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	1988.59998 0 0 0 1	0 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	1988.59998 0 0 0	0 0 0	~





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5	-753.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1335.05603	1335.05603	✓
VehDyn_MinOffset_HwDeg_M_f32	-887.27002	-887.27002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5982585	7.5982585 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.402999997	0.402999997 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-686.27002	-686.27002 ± 0.1	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.099999
/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 Igc	1
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	400.200012
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	18
/ehDyn_AutoCntrHiSpd_M_str.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
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	19.2999992
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	25.3999996
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
/ehDyn_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_UIs_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_UIs_f32	0		
k_LoSpdVDAuthority_Uls_f32	52.5		
k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32	77.5400009		
k_TraveIXCHwAuthority_Uls_f32	0.124425001		
target DtrmnElapsedTime mS u32 ElapsedTime	4164171008		
target GetSystemTime mS u32 CurrentTime	2127166208		
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f3:	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-881.01001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.79999995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	_
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009 1991.40002 ± 0.009	*
	1991.40002	1991.40002 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	J
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	
	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_us2 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	J
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.700012	456.700012 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
	0	0	
VENDAN AUTOCOTILOSOO M STEELITEEZENANIE COT IOC		0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc		1	
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	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	1 1 1	1 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50100636	1.50100636 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.419999987	0.419999987 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-676.01001	-676.01001 ± 0.1	~

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	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.Timer1Thresh_mS_u16	3277
/ehDyn_AutoCntrDetSpd_M_str.Timer2Timesi1_inis_u10	3796740682
ehDyn_AutoCntrDetSpd_M_str.Timer1_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	3.4100009e-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
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000228000004
/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_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	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	818.437988
/ehDyn MinOffset HwDeg M f32	-837.593994





Name	Input Value		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000411999994		
VehDyn_SLPHwAuth_Uls_M_f32	0.437000006		
VehDyn_SLPHwPos_HwDeg_M_f32	-665.75		
k_HiSpdVDAuthority_Uls_f32	0.89999976		
k_LoSpdVDAuthority_UIs_f32	0.100000001		
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	76.5100021 0.125650004		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624		
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_f	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_I		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kpl		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-874.75		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1356.87		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	4		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5400009		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.59998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.869995		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.59998	-1900.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 0	0	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 0 0 4243378688	0 0 4243378688	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 0 0 4243378688 1078320779	0 0 4243378688 1078320779	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 0 0 4243378688 1078320779 -1900.5	0 0 4243378688 1078320779 -1900.5 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 0 0 4243378688 1078320779 -1900.5 -2000.40002	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 0 0 4243378688 1078320779 -1900.5 -2000.40002	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_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	1 0 0 4243378688 1078320779 -1900.5 -2000.40002 0	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	1 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 1 4243378688	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	1 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 4243378688 2138628886	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 1 4243378688 2138628886 -753.200012	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 1 4243378688 2138628886 -753.200012 -1482.5	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	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 1 4243378688 2138628886 -753.200012 -1482.5 0	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	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 1 4243378688 2138628886 -753.200012 -1482.5	0 0 4243378688 1076320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.009 0 1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 1 4243378688 2138628886 -753.200012 -1482.5 0 1	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	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 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	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 1 4243378688 2138628866 -753.200012 -1482.5 0 1 1 1	0 0 4243378688 1076320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.009 0 1 1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.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	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 4243378688 2138628866 -753.200012 -1482.5 0 1 1 1 0 0	0 0 4243378688 1076320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 2138628886 -753.200012 ± 0.0009 -1482.5 ± 0.009 0 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Filter3_u32 VehDyn_AutoCntrLoSpd_M_str.Filter3_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 0 1 4243378688 2138628886 -753.200012 -1482.5 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	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 0 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_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 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 1 4243378688 2138628886 -753.200012 -1482.5 0 1 1 0 0 0 0 1	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 0 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 1 4243378688 2138628886 -753.200012 -1482.5 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0	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 0 0 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_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_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 1 4243378688 2138628886 -753.200012 -1482.5 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 1 1 0	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 213862886 -753.200012 ± 0.0009 -1482.5 ± 0.009 0 1 0 0 1 0 818.437988	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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 VehDyn_MinOffset_HwDeg_M_f32	1 0 0 0 4243378688 1078320779 -1900.5 -2000.40002 0 0 1 1 4243378688 2138628886 -753.200012 -1482.5 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 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 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 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0	0 0 4243378688 1078320779 -1900.5 ± 0.009 -2000.40002 ± 0.009 0 0 1 4243378688 213862886 -753.200012 ± 0.0009 0 1 1 0 0 1 0 0 1 0 0 1 0 0 818.437988 563.849976	

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Fest Step 2.94 (Repeat Count = 1)	Innut Value
	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 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	42.099985
/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	-1482.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.4199998e-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 ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoOntrHiSpd_M_str.MtrVel_MtrRadpS_f32	200
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.400001
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-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_UIs_f32	0.000232000006
/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_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.01001
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.199997
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.01000023
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.14000019e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.700012 0.000034000004
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000831999991
enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehbyn_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	-823.429993
ehDyn_MinOffset_HwDeg_M_f32	-830.909973
ehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000413000002
ehDyn_SLPHwAuth_Uls_M_f32	0.453999996
ehDyn_SLPHwPos_HwDeg_M_f32	-655.48999
_HiSpdVDAuthority_UIs_f32	0
_LoSpdVDAuthority_Uls_f32	0.60000024
_SysKinRatio_MtrDegpHwDeg_f32	63.099985
	75.4800034
_TravelXCDeadband_Uls_f32 _TravelXCHwAuthority_Uls_f32	0.126874998





Name	Input Value				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_H	wDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32				
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos	target_VehDyn_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_Sensorless	sAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorless	sHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCm	dCRF MtrNm f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc		target VehDyn Per1 VehicleSpeedValid Cnt Igc			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpe	eed_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 Igc.value	1				
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.6399994				
Name	Actual Value	Expected Value	Result		
VehDyn AllowHiSpdAutoCntr Cnt M lgc	0	0	7100dil		
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1050692864	1050692864			
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2553156835	2553156835			
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.40002	-1482.40002 ± 0.009	_		
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.5	2800.5 ± 0.009			
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0			
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt_lgc	0	0			
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	_		
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1	1			
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620			
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886			
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.30005	-1482.30005 ± 0.009	_		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009			
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	1	1			
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1			
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1			
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0			
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2138628886	2138628886			
VehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861	2345892861			
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.299988	456.299988 ± 0.0009			
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.700012	-753.700012 ± 0.0009			
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc	1	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0			
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0			
, - ,	1	1			
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1			
VehDyn_HiSpdLearnt_Cnt_M_lgc	1				
VehDyn_Initialize_Cnt_M_lgc	1	1			
VehDyn_LoSpdLearnt_Cnt_M_lgc	'		- J		
VehDyn_MaxOffset_HwDeg_M_f32	1367.77698	1367.77698	Ž		
VehDyn_MinOffset_HwDeg_M_f32	-868.48999	-868.48999	Ž		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7921886	-14.7921886 ± 0.00009			
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.453999996	0.453999996 ± 0.004			
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-655.48999	-655.48999 ± 0.1			

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.95 (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	

2014-09-19, 20:47:45+0530



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	0.00414000009
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5	-753.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3039943680	3039943680	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.59998	-1900.59998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995	-2500.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1378.68396	1378.68396	~
VehDyn_MinOffset_HwDeg_M_f32	-862.22998	-862.22998	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.794487	17.7944889 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.800000012	0.800000012 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.96 (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

2014-09-19, 20:47:45+0530



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_Igc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0		
VehDyn_AutoCntrlspd_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		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291		
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	16683		
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		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.22000007e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000836000021		
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_UIs_f32	-7		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000414999988		
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeq_M_f32	0.488000005		
, = = = ===	-634.969971 0		
k_HiSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32	0.600000024		
k SysKinRatio MtrDegpHwDeg f32	75.0999985		
k_TravelXCDeadband_Uls_f32	73.4199982		
k_TraveIXCHwAuthority_UIs_f32	0.129325002		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344		
target GetSystemTime mS u32 CurrentTime	1316564736		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_F	-lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	rNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-855.969971		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1389.59094		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	4.5999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.399994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988.59998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	159.820007		
	Actual Value	Expected Value	Resu
Name		0	1 .
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0		,
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861	2345892861	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861 1316564736	2345892861 1316564736	
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	2345892861 1316564736 456.405273	2345892861 1316564736 456.405273 ± 0.0009	•
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861 1316564736	2345892861 1316564736	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216	219286216	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002	-1482.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810	2760420810	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005	2600.30005 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-833.414001	-833.414001	•
VehDyn_MinOffset_HwDeg_M_f32	-817.541992	-817.541992	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.99517775	-6.99517775 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.488000005	0.488000005 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-634.969971	-634.969971 ± 0.1	~

Т				y
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.97 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

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Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.5 216.100006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.25999965e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	-753.299988 0.000837999978		
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	838.406006 -810.857971		
VehDyn PinTrqSV M str.SV Uls f32	6.30000019		
VehDyn PinTrqSV M str.K Uls f32	0.000415999995		
VehDyn_SLPHwAuth_Uls_M_f32	0.504999995		
VehDyn_SLPHwPos_HwDeg_M_f32	-624.710022		
k_HiSpdVDAuthority_Uls_f32	0.230000004		
k_LoSpdVDAuthority_Uls_f32	0.5		
k_SysKinRatio_MtrDegpHwDeg_f32	97.3000031		
k_TravelXCDeadband_Uls_f32	72.3899994		
k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	0.130549997 3714197504		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	-	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-849.710022		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1400.49805		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	4.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.200012		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1991.09998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0 357.700012		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	ixesuit
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2553156835	2553156835	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSnd_M_str.Filter2Initialized_Cnt_Igc	0 2075080192	0 2075080192	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5	-753.5 ± 0.0009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0 0	0	
			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988	-753.299988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	-590.601929	-590.60199	~
VehDyn_MinOffset_HwDeg_M_f32	-810.857971	-810.857971	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.29936934	6.29936934 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.5	0.5 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.98 (Repeat Count = 1)	<u> </u>
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.599976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.600006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.5999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.6599998
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	2600.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.46000002e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000839999993
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
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.400002
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000628000009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000247999997
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	138.800003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.7999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5235
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2967684784

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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	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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000839999993		
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 VehDyn_MinOffset_HwDeg_M_f32	843.39801 -804.174011		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.199998		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000417000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.522000015		
VehDyn_SLPHwPos_HwDeg_M_f32	-614.450012		
k_HiSpdVDAuthority_UIs_f32	0		
k_LoSpdVDAuthority_Uls_f32	0.69999988		
k_SysKinRatio_MtrDegpHwDeg_f32	86.5		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	71.3600006 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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_ target_VehDyn_Per1_SensorlessHwPos_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_t	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
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_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	4.5999999	Expected Value	Result
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	4.5999999 1 456.160004	Expected Value	Result
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	4.5999999 1 456.160004 Actual Value	•	Result
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4.5999999 1 456.160004 Actual Value 0 954802432 54822322	0 954802432 54822322	Result
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5	0 954802432 54822322 2600.5 ± 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.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 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.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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 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_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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994 0 1	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 0.0009 0	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 0.0009 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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994 0 1 1 0 2967684784 3174948759 3200 456.100006 1 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 0.0009 0 1 1 0 2967684784 3174948759 3200 ± 0.009 456.100006 ± 0.0009 1 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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994 0 1 1 0 2967684784 3174948759 3200 456.100006 1 0 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 0.0009 0 1 1 0 2967684784 3174948759 3200 ± 0.009 456.100006 ± 0.0009 1 0 0	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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.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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994 0 1 1 0 2967684784 3174948759 3200 456.100006 1 0 0 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 0.0009 0 1 1 0 2967684784 3174948759 3200 ± 0.009 456.100006 ± 0.0009 1 0 0	
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.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	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994 0 1 1 0 2967684784 3174948759 3200 456.100006 1 0 0 1	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 0.0009 0 1 1 0 2967684784 3174948759 3200 ± 0.009 456.100006 ± 0.0009 1 0 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 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.Filter1Pnable_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_A	4.5999999 1 456.160004 Actual Value 0 954802432 54822322 2600.5 -1438.5 0 0 0 1 328928812 2967684784 2600.5 456.399994 0 1 1 0 2967684784 3174948759 3200 456.100006 1 0 0 0	0 954802432 54822322 2600.5 ± 0.009 -1438.5 ± 0.009 0 0 1 328928812 2967684784 2600.5 ± 0.009 456.399994 ± 0.0009 0 1 1 0 2967684784 3174948759 3200 ± 0.009 456.100006 ± 0.0009 1 0 0	





Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-843.450012	-843.450012	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1957684	15.1957684 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.522000015	0.522000015 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-614.450012	-614.450012 ± 0.1	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.99 (Repeat 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
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	-2400.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.46999991e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000842000009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621.400024
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000630000024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000251999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.34000025e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000842000009
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	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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
		_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-837.190002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.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		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	258.149994		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	•
,			
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
	1024 -2400.3999	1024 -2400.3999 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Timer2_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	-2400.3999	-2400.3999 ± 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	-2400.3999 753.099976	-2400.3999 ± 0.009 753.099976 ± 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	-2400.3999 753.099976 1	-2400.3999 ± 0.009 753.099976 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-2400.3999 753.099976 1	-2400.3999 ± 0.009 753.099976 ± 0.0009 1	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.3999 753.099976 1 1 1	-2400.3999 ± 0.009 753.099976 ± 0.0009 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.Timer1_mS_u32	-2400.3999 753.099976 1 1 1 0 2728878080	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080	
VehDyn_AutoCntrDetSpd_M_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	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759	
VehDyn_AutoCntrDetSpd_M_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	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 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	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 -2500.5 ± 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.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	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 -2500.5 ± 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 -2500.5 ± 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.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.Filter1Initialized_Cnt_lgc	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 -2500.5 ± 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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1 2728878080	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 0 1 2728878080	
VehDyn_AutoCntrDetSpd_M_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.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	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1 2728878080 3382212733	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 0 1 2728878080 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.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	-2400.3999 753.099976 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1 2728878080 3382212733 0	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 1 2728878080 3382212733 0 ± 0.000009	
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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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.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	-2400.3999 753.099976 1 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1 2728878080 3382212733 0 -2500.30005 0 1 1	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 1 2728878080 3382212733 0 ± 0.00009 -2500.30005 ± 0.009 0 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.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.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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.3999 753.099976 1 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1 2728878080 3382212733 0 -2500.30005 0 1 1 1	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 1 2728878080 3382212733 0 ± 0.00009 -2500.30005 ± 0.009 0 1 1 1 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	-2400.3999 753.099976 1 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1 2728878080 3382212733 0 -2500.30005 0 1 1 1 1 1 0 1	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 1 2728878080 3382212733 0 ± 0.00009 -2500.30005 ± 0.009 0 1 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_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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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 VehDyn_MaxOffset_HwDeg_M_f32	-2400.3999 753.099976 1 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1 2728878080 3382212733 0 -2500.30005 0 1 1 1 0 1 1 0 1 1 0 1 1 0	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 1 1 2728878080 3382212733 0 ± 0.000009 -2500.30005 ± 0.009 0 1 1 1 1 0 1 1 0 1422.31201	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Split1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Split1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	-2400.3999 753.099976 1 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 0 1 2728878080 3382212733 0 -2500.30005 0 1 1 1 0 1 1 0 1422.31201 -837.190002	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 1 1 2728878080 3382212733 0 ± 0.000009 -2500.30005 ± 0.009 0 1 1 1 0 1422.31201 -837.190002	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Split1SV_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.Filter2Initialized_Cnt_lgc	-2400.3999 753.099976 1 1 1 1 0 2728878080 3174948759 -2400.5 -2500.5 0 0 1 2728878080 3382212733 0 -2500.30005 0 1 1 1 0 1 1 0 1 1 0 1 1 0	-2400.3999 ± 0.009 753.099976 ± 0.0009 1 1 1 1 0 2728878080 3174948759 -2400.5 ± 0.009 0 0 1 1 2728878080 3382212733 0 ± 0.000009 -2500.30005 ± 0.009 0 1 1 1 1 0 1 1 0 1422.31201	



T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.100 (Repeat 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	62.5099983
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.5
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	2800.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.48000003e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000844000024
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.399994
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
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	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000631999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000255999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.5999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
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
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.37999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000844000024
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	853.382019
VehDyn_MinOffset_HwDeg_M_f32	-790.80603
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962
VehDyn PinTrgSV M str.K Uls f32	0.000418999989





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 Uls 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_t	132		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3	32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_	_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrF	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	y_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_	HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_N	ltrNm_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	1.2999995			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	369.75			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	'	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	3174948759	Y	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5	-1988.5 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	004740750			
	824746752	824746752		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	· ·	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3382212733 2800.19995	3382212733 2800.19995 ± 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	3382212733 2800.19995 2600.5	3382212733 2800.19995 ± 0.009 2600.5 ± 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.Filter1Enable_Cnt_lgc	3382212733 2800.19995 2600.5 0	3382212733 2800.19995 ± 0.009 2600.5 ± 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	3382212733 2800.19995 2600.5 0	3382212733 2800.19995 ± 0.009 2600.5 ± 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	3382212733 2800.19995 2600.5 0 1	3382212733 2800.19995 ± 0.009 2600.5 ± 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	3382212733 2800.19995 2600.5 0 1	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733 2800.19995 2600.5 0 1 1 0 3382212733	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733 3589476708	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708 1440.88	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733 3589476708 1440.88 ± 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	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708 1440.88 2600.1001	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733 3589476708 1440.88 ± 0.009 2600.1001 ± 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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708 1440.88 2600.1001	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733 3589476708 1440.88 ± 0.009 2600.1001 ± 0.009		
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VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708 1440.88 2600.1001 1 0 0 1	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733 3589476708 1440.88 ± 0.009 2600.1001 ± 0.009 1 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 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearn_Cnt_M_lgc	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708 1440.88 2600.1001 1 0 0 1 1 1 1 1 1	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733 3589476708 1440.88 ± 0.009 2600.1001 ± 0.009 1 0 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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708 1440.88 2600.1001 1 0 0 1 1 1	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733 3589476708 1440.88 ± 0.009 2600.1001 ± 0.009 1 0 0 1 1 1 1 853.382019		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708 1440.88 2600.1001 1 0 0 1 1 1 1 853.382019	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 1 0 3382212733 3589476708 1440.88 ± 0.009 2600.1001 ± 0.009 1 0 0 1 1 1 1 853.382019 1169.10999	· · · · · · · · · · · · · · · · · · ·	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	3382212733 2800.19995 2600.5 0 1 1 0 3382212733 3589476708 1440.88 2600.1001 1 0 0 1 1 1 1 1 853.382019 1169.11011	3382212733 2800.19995 ± 0.009 2600.5 ± 0.009 0 1 1 0 3382212733 3589476708 1440.88 ± 0.009 2600.1001 ± 0.009 1 0 0 1 1 1 1 853.382019		

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•



Test Step 2.101 (Repeat 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	662.400024
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
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	-1438.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.48999993e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000845999981
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	124.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000633999996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000260000001
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	96.6999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	42.599985
VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	4.6999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.599985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.42000014e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2400.30005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000845999981
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	858.374023
VehDyn_MinOffset_HwDeg_M_f32	-784.122009
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000419999997
VehDyn_SLPHwAuth_Uls_M_f32	0.573000014
VehDyn_SLPHwPos_HwDeg_M_f32	-583.669983
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_UIs_f32	0.5
k_SysKinRatio_MtrDegpHwDeg_f32	53.5
k_TravelXCDeadband_Uls_f32	68.2699966
k_TravelXCHwAuthority_Uls_f32	0.135450006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac	lpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF MtrN	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3			
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	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3382212733	3382212733	•	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1078320779	1078320779	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002	1988.40002 ± 0.009	_	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	•	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0		
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	309385728	309385728	•	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708	3589476708		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.80005	-1438.80005 ± 0.009	•	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	-	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	•	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	309385728	309385728	~	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3796740682	3796740682		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006	-1200.56006 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.30005	-2400.30005 ± 0.009	-	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	~	
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt. Igc	1	1		
VehDyn HiSpdLearnt Cnt M Igc	0	0	~	
VehDyn Initialize Cnt M Igc	1	1		
VehDyn_loSpdLearnt_Cnt_M_lgc	0	0	~	
	-472.98999	-472.98999		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-472.98999 -784.122009	-472.98999 -784.122009	~	
	13.8965578	13.8965578 ± 0.00009		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	0.5	13.8965578 ± 0.00009 0.5 ± 0.004	-	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1600			
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1000	1600 ± 0.1	_	

T			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.102 (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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2138628886
2600.6001
3.50000005e-006
1991.5
0.000847999996
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0
1
138
156
3
52.4000015
21335
34188
2553156835
3796740682
753.200012
0.000636000012
2800.5
0.000264000002
0
1
1
0
100.599998
124.699997
6.5999999
88.6999969
21364
52716
3796740682
4004004657
753.5
2.51000006e-006
2800.1001
0.000847999996
1
0
0
0
1
0
1
863.366028
-777.437988
7.80000019
0.000421000004
0.589999974
-573.409973
0
1
86.0999985
67.2399979
0.136675
2269150976
2659241984
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_SensoriessAutrionity_ois_i32 target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_VehDyn_Per1_VehicleSpeed_Kph_f32
-818.409973
1422.08105
5.80000019 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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.6001	2600.6001 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657	4004004657	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5	753.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1422.08105	1422.08105	~
VehDyn_MinOffset_HwDeg_M_f32	-818.409973	-818.409973	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79913568	7.79913568 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.589999974	0.589999974 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-573.409973	-573.409973 ± 0.1	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.103 (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_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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_UIs_f32	-1988.80005 0.000638000027		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 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_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.7000005		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53970 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 VehDyn_MinOffset_HwDeg_M_f32	868.357971 -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_Uls_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031		
k_TravelXCDeadband_Uls_f32	66.2099991		
k_TravelXCHwAuthority_Uls_f32	0.137899995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288		
target_GetSystemTime_mS_u32_CurrentTime	2942063360	700	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeotarget_VehDyn_Per1_HwTorque_HwN	, _	
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF M	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	• -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwP		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_h	Cph_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 0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.75		
		Expected Value	Poor!t
Name VebDvn AllowHiSpdAutoCatr Cat M Ide	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861	2345892861	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753.400024	753.400024 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	✓

VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.80005	-1988.80005 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.40002	-1988.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005	-1900.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1416.51196	1416.51196	~
VehDyn_MinOffset_HwDeg_M_f32	-812.150024	-812.150024	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20116019	3.20116019 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.606999993	0.606999993 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-563.150024	-563.150024 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.104 (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

2014-09-19, 20:47:45+0530



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.FiltPinTrg HwNm f32	10.8000002		
	52.2999992		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810		
VehDyn_AutoCntrLoSpd_M_str.Timer2_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	0.000566000002		
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.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 Igc	0		
	1		
VehDyn_Initialize_Cnt_M_lgc			
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	0.00042299999		
VehDyn_SLPHwAuth_Uls_M_f32	0.624000013		
VehDyn_SLPHwPos_HwDeg_M_f32	-552.890015		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_UIs_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	32.5		
k_TravelXCDeadband_Uls_f32	65.1800003		
k_TravelXCHwAuthority_UIs_f32	0.139125004		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504		
target_GetSystemTime_mS_u32_CurrentTime	2075080192	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF Mtr	Nm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	 Cnt lgc	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_t		
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	6.1999981		
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	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.109985		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1988.5	-1988.5 ± 0.009	•
	2800.5	2800.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.200012	-888.200012 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.6001	2600.6001 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	2075080102	2075080102	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753	-753 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	873.349976	873.349976	~
VehDyn_MinOffset_HwDeg_M_f32	-52.8300171	-52.8300018	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79938316	7.79938316 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.624000013	0.624000013 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-552.890015	-552.890015 ± 0.1	~

T			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.099985
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	16683
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	22497
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	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
/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	44.400015
/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
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	753,400024
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000276000006
/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	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.Timer2Thresh_mS_u16	31368
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
/ehDyn_AutoCntrLoSpd_w_str.Timer1_m3_u32	2967684784

2014-09-19, 20:47:45+0530



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_UIs_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_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985		
k_TravelXCDeadband_Uls_f32	64.1500015		
k_TravelXCHwAuthority_UIs_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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0	:nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f:	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	126.220001		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.3999	2800.3999 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.80005	1988.80005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024	753.400024 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.399994	456.399994 ± 0.0009	~
	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32			~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
	1 0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	\ \ \ \ \ \ \ \ \
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0 0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 1	0 0 1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 0 1 1	0 0 1 1	· ·
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 0 1 1	0 0 1 1	· ·





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39501476	-5.39501476 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.30000012	0.300000012 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1506.47998	-1506.47998 ± 0.1	✓

T			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Name	Input Value
	•
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.4000015
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.399994
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3174948759
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_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
	88.3000031
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
/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





Name	Input Value		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000425000006		
VehDyn_SLPHwAuth_Uls_M_f32	0.657999992		
VehDyn_SLPHwPos_HwDeg_M_f32	-532.369995		
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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Ulsf32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_F	lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	rNm_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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.199997	148.199997 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5	-1988.5 ± 0.009	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn LoSpdLearnt Cnt M Igc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1399.80505	1399.80505	-
VehDyn_MinOffset_HwDeg_M_f32	-793.369995	-793.369995	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59961939	7.59961939 ± 0.000009	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.657999992	0.657999992 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-532.369995	-532.369995 ± 0.1	

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Fest Step 2.107 (Repeat Count = 1)	Input Value
	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime) GetSystemTime 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	96.099985
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
/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	3.54999997e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc /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_AutoOntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.199997
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000645999971
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000284000009
/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	94.1999969
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.199997
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.3999
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.42000014e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	0
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000858000014
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	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	888.325989
ehDyn_MinOffset_HwDeg_M_f32	-744.018005
ehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426000013
ehDyn_SLPHwAuth_Uls_M_f32	0.675000012
/ehDyn_SLPHwPos_HwDeg_M_f32	-522.109985
_HiSpdVDAuthority_UIs_f32	0
_LoSpdVDAuthority_Uls_f32	1
_SysKinRatio_MtrDegpHwDeg_f32	96.5
:_TravelXCDeadband_Uls_f32	62.0900002
_TravelXCHwAuthority_Uls_f32	0.142800003
arget DtrmnFlansedTime mS u32 FlansedTime	2704864000
arget_DtrmnElapsedTime_mS_u32_ElapsedTime arget_GetSystemTime_mS_u32_CurrentTime	2704864000 3437401088





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3:	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_t	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mi	trNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.359985		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	0	0	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3437401088	3437401088	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	753.099976	753.099976 ± 0.0009	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1950.40002	1950.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	~
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001	-2400.6001 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.3999	2600.3999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1394.23596	1394.23596	~
VehDyn_MinOffset_HwDeg_M_f32	-787.109985	-787.109985	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50222075	1.50222075 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.675000012	0.675000012 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-522.109985	-522.109985 ± 0.1	~

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.108 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	

2014-09-19, 20:47:45+0530



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_UIs_f32	1991.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00028800001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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_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	893.317993
VehDyn_MinOffset_HwDeg_M_f32	-737.333984
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426999992
VehDyn_SLPHwAuth_Uls_M_f32	0.691999972
VehDyn_SLPHwPos_HwDeg_M_f32	-511.850006
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	32.099985
k_TraveIXCDeadband_Uls_f32	61.0600014
k_TravelXCHwAuthority_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_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	-780.849976
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1388.66699
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.98999





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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.19995	1885.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5	1885.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998	1991.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88	1440.88 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-1211.48291	-1211.48303	~
VehDyn_MinOffset_HwDeg_M_f32	-737.333984	-737.333984	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59626269	-1.59626257 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.691999972	0.691999972 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-511.850006	-511.850006 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.109 (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	3.56999999e-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

2014-09-19, 20:47:45+0530



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 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	124.5		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.5		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.45999971e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_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	-730.650024 14.8000003		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002 0.000427999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.708999991		
VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32	-501.589996		
k_HiSpdVDAuthority_Uls_f32	0		
k LoSpdVDAuthority Uls f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	52.4000015		
k TravelXCDeadband Uls f32	60.0299988		
k_TravelXCHwAuthority_UIs_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	2	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	I=	-
		Expected Value	Resul
Name	Actual Value		
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	•
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0 463842816	463842816	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0 463842816 3382212733	463842816 3382212733	•
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0 463842816	463842816	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999	2800.3999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006	-1200.56006 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-898.309998	-898.309998	~
VehDyn_MinOffset_HwDeg_M_f32	1625.56982	1625.56995	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7905388	-14.7905378 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.708999991	0.708999991 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-501.589996	-501.589996 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.110 (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

2014-09-19, 20:47:45+0530



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		
	37799		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16			
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632		
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		
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_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	-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_Uls_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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
		_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
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		
		Formando d Malora	D14
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5	1900.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
			-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995	1950.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005	2800.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc			
	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	· ·
			, , ,





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1377.52905	1377.52905	✓
VehDyn_MinOffset_HwDeg_M_f32	-768.330017	-768.330017	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7951984	17.7951984 ± 0.00009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.726000011	0.726000011 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-491.329987	-491.329987 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.111 (Repeat Count = 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	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_lgc	1
ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1
ehbyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
enDyn_AutoCntrloSpd_M_str.Hiter2mitalized_Cnt_igc /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.5
enDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32	124.5
, - , , -, -	
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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 ehDyn AutoCntrLoSpd M str.Timer2 mS u32	3382212733 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_AutoCotrl oSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn Initialize Cnt M Igc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	908.294006		
VehDyn_MinOffset_HwDeg_M_f32	-717.281982		
VehDyn_PinTrqSV_M_str.SV_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_Uls_f32	0.100000001		
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992		
k_TravelXCDeadband_Uls_f32	57.9700012		
k_TravelXCHwAuthority_Uls_f32	0.147699997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime	2836768512 1662097408		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwDeg f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	trNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph	_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-762.070007		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1371.95996		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.5999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1299.98999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1438.64001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	7.80000019		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.6599998		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	rtooun
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812	328928812	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.59998	-1900.59998 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.199997	148.199997 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	A	11	
	1		
	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 0	1 0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 0 3382212733	1 0 3382212733	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1 0 3382212733 4004004657	1 0 3382212733 4004004657	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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 0 3382212733	1 0 3382212733	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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 0 3382212733 4004004657 753.200012	1 0 3382212733 4004004657 753.200012 ± 0.0009	•
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 0 3382212733 4004004657 753.200012 95.8000031	1 0 3382212733 4004004657 753.200012 ± 0.0009 95.8000031 ± 0.00009	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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 0 3382212733 4004004657 753.200012 95.8000031	1 0 3382212733 4004004657 753.200012 ± 0.0009 95.8000031 ± 0.00009	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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 0 3382212733 4004004657 753.200012 95.8000031 1	1 0 3382212733 4004004657 753.200012 ± 0.0009 95.8000031 ± 0.00009 1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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 0 3382212733 4004004657 753.200012 95.8000031 1 0	1 0 3382212733 4004004657 753.200012 ± 0.0009 95.8000031 ± 0.00009 1 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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 0 3382212733 4004004657 753.200012 95.8000031 1 0 0	1 0 3382212733 4004004657 753.200012 ± 0.0009 95.8000031 ± 0.00009 1 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 0 3382212733 4004004657 753.200012 95.8000031 1 0 0	1 0 3382212733 4004004657 753.200012 ± 0.0009 95.8000031 ± 0.00009 1 0 0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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	1 0 3382212733 4004004657 753.200012 95.8000031 1 0 0	1 0 3382212733 4004004657 753.200012 ± 0.0009 95.8000031 ± 0.00009 1 0 0	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-6.9935894	-6.9935894 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.10000001	0.100000001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-0.540039063	-0.540000021 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
, =	498.100006
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	
/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	52.0999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.5999999e-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 Igc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	66.4000015
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.400002
	10.3999996
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	54.4000015
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
/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_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
VehDyn_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_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	75.5		
k_TravelXCDeadband_Uls_f32	56.9399986		
k_TravelXCHwAuthority_UIs_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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f3: target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	_	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4400 5		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5	-1482.5 ± 0.009	~
veribyit_Addoctititilopd_ivt_str.terriwr osi iitzov_tiwbeg_str.ov_ois_isz	-1482.5 -1988.09998	-1482.5 ± 0.009 -1988.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc			
	-1988.09998	-1988.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-1988.09998 0	-1988.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1988.09998 0 0	-1988.09998 ± 0.009 0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1988.09998 0 0 0	-1988.09998 ± 0.009 0 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	-1988.09998 0 0 0 1	-1988.09998 ± 0.009 0 0 0 1	~
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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009	~
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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 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 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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 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 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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1 1	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 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 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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1 1 1	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 0 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 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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1 1 1 0	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 0 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1 1 1 0	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 0 1 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1 1 1 0 -1434.54895	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 0 1 1 1 0 -1434.54895	~
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.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 VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1 1 1 0 -1434.54895 -710.598022	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 0 1 1 1 0 -1434.54895 -710.598022	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1 1 0 -1434.54895 -710.598022 -1.59597659	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 0 1 1 0 -1434.54895 -710.598022 -1.59597659 ± 0.00009	~
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.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 VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-1988.09998 0 0 0 1 2075080192 2967684784 2600.1001 456.200012 0 1 1 1 0 -1434.54895 -710.598022	-1988.09998 ± 0.009 0 0 1 2075080192 2967684784 2600.1001 ± 0.009 456.200012 ± 0.0009 0 1 1 1 0 -1434.54895 -710.598022	~

T .				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Fest Step 2.113 (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	2.5
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.5
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	-1438.30005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.61000002e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.59998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
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	126.199997
ehDyn_AutoCatrHiSpd_M_str.VehSpd_kph_f32	176.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1950.09998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000307999988
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.1999969
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.54000032e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
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	-918.278015
ehDyn_MinOffset_HwDeg_M_f32	-703.914001
ehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432000001
ehDyn_SLPHwAuth_Uls_M_f32	0.77700001
ehDyn_SLPHwPos_HwDeg_M_f32	-460.549988
_HiSpdVDAuthority_Uls_f32	1
_LoSpdVDAuthority_Uls_f32	0
_SysKinRatio_MtrDegpHwDeg_f32	86.099985
TravelXCDeadband_Uls_f32	55.9099998
_TravelXCHwAuthority_Uls_f32	0.150150001
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648
arget_GetSystemTime_mS_u32_CurrentTime	2127166208
	target_VehDyn_Per1_CcwEOT_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_F	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF Mt	rNm 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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.4500008		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	219286216	219286216	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.30005	-1438.30005 ± 0.009	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.59998	-1482.59998 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1	1	_
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	_
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015	-918.278015	✓
VehDyn_MinOffset_HwDeg_M_f32	-703.914001	-703.914001	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30075073	6.30075026 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.77700001	0.77700001 ± 0.004	
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-460.549988	-460.549988 ± 0.1	✓

T			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.114 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	

2014-09-19, 20:47:45+0530



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	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 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	4.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	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_lgc	0
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
VehDyn MaxOffset HwDeg M f32	923.27002
VehDyn MinOffset HwDeq M f32	-697,22998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-097.22990 15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.0043300008
VehDyn SLPHwAuth Uls M f32	0.79400003
VehDyn_SLPHwPos_HwDeg_M_f32	-450.290009
k_HiSpdVDAuthority_UIs_f32	0
k LoSpdVDAuthority Uls f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	56.099985
k TravelXCDeadband Uls f32	54.8800011
k TravelXCHwAuthority Uls 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_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5	-753.5 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.69995	1885.69995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.09998	1988.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.799988	753.799988 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1355.25305	1355.25305	~
VehDyn_MinOffset_HwDeg_M_f32	-743.289978	-743.289978	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1969271	15.1969271 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.79400003	0.79400003 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-450.290009	-450.290009 ± 0.1	~

T .				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	_

Test Step 2.115 (Repeat Count = 1)	<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	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_lgc	0

2014-09-19, 20:47:45+0530



Moure	Innut Value		
Name VabDup AutoCatrliSad M atr MttVal MtrDadaS #22	Input Value 456.200012		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 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		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	6.5799999e-005 -1988.19995		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000861999986		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_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	-928.262024		
VehDyn_MinOffset_HwDeg_M_f32	-690.546021		
VehDyn_PinTrqSV_M_str.SV_UIs_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_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32		-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_H target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target Rte Inst Ap VehDyn.VehDyn Perl VehicleSpeedValid Cnt lgc	target_VehDyn_Per1_VehicleSpeedValid_0	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-737.030029	<u> </u>	
target VehDyn Per1 CwEOT HwDeg f32.value	1349.68396		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.39999962		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5500031		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	•
· · · · · · · · · · · · · · · · · · ·		1000 00005 + 0 000	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	
	-1988.30005 456.600006	456.600006 ± 0.0009	~

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.40002	-1887.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997	142.199997 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1349.68396	1349.68396	~
VehDyn_MinOffset_HwDeg_M_f32	-737.030029	-737.030029	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9976301	13.9976301 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.81099999	0.81099999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-440.029999	-440.029999 ± 0.1	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.116 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.3000031
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	1988.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.63999993e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000864000001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995

2014-09-19, 20:47:45+0530



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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.2200012		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2200012		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.2200003		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.2200012		
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	40437		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514		
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_Igc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn MaxOffset HwDeg M f32	933.254028		
VehDyn_MinOffset_HwDeg_M_f32	-683.862		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962		
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_TravelXCHwAuthority_Uls_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_VehDyn_Per1_CcwEOT_Hwl		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwD		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_Hv target_VehDyn_Per1_MotorVelCRF_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hv		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAu		
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	RF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed	Valid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	1=	12
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680 3174948759	3039943680 3174948759	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV_HwDeg_str.Sv_0is_i32	-2500.5	-2500.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708	3589476708	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.90002	-1753.90002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	-
	٩	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	─
·			*

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998	-2000.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.5	1988.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	933.254028	933.254028	~
VehDyn_MinOffset_HwDeg_M_f32	1170.09998	1170.09998	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89987659	8.89987755 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.828000009	0.828000009 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-429.769989	-429.769989 ± 0.1	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
	1
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.29999995
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.300003
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.300002
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 Igc	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.FiltPinTrg 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
	219286216
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	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_lgc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.3000031
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.2999992
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_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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VenDyn_Accionacing by _ in Reinfervier (ISV_) Jebog _ in KU_ ISV_2 SECTIONS (ISS)	Name	Input Value		
Valory, Autocratos, M., Se Parlamoroniza V., Hology, S. V. Vill., 132 Valory, Autocratos, M. & Filler Ensete Cott. (p. Valory), Autocratos, M. & F	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.19995		
Verbildy - Machonic Sept. Mar Shell-Aversetian SV Jacking and Use 12 Verbildy - Machonic Sept. Mar Shell-Errained Cord. 1 Verbildy - Machonic Sept. Mar Shell-Errained Sept. 1 Verbildy - Machonic Sept.	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.6200002e-005		
Verlight, Auschricht sich, March Filterhaber, Ort. Jags Verlight, Auschricht, March Filterhaber, Ort. Jags Verlight, Auschricht, March Filterhaber, Ort. Jags Verlight, Auschricht, March March Filterhaber, Ort. Jags Verlight, Auschricht, March Mar				
Veolity-Auschler (Sept.) May 8 Prietrinshise Chrilly (Veolity-Auschler (Sept.) May 8 Prietrinshise Chrild (Veolity-Auschler (Sept.) May 8 Prietrinshise Chrilly (Veolity-Auschler (Sept.) May 8 Prietrinshise Ch	· - · - · · · · - · - · -			
Verbiny, Austonical Sept. 4 in Effectivational Criticips Verbiny, Massinet, Chil. Mige Verbiny, Massinet, Chil. Mige Verbiny, Massinet, Chil. Mige Verbiny, Massinet, Michael Medy M. 152 Verbiny, Massinet, Michael Medy M. 152 Verbiny, Massinet, Michael Medy M. 152 Verbiny, Michael Medy M. 152 Verbi				
Verby_n_McCont.sept M_marker_Cn_Migs				
VerDyn, Histolize, Cim. Migo VerDyn, MacKinder, Liven, Dig. 1 VerDyn, MacKinder, Liven, Dig. 1 VerDyn, MacKinder, Liven, Dig. 1 VerDyn, MacKinder, Liven, Dig. 10 VerDyn, MacKinder, Liven, Dig. 10 VerDyn, Part Sey, M., 47 K. Us. 122 VerDyn, Start Sey, M., 124 VerDyn,				
Verifying Insider, Crit M, Sgr. Verifying Insider, Crit M, Sgr. Verifying Monther, Child Microsoft Horizong, 17,12				
Verlight, MacRoffer, Markon, M. 192 Verlight, MacRoffer, Markon, M. 192 Verlight, MacRoffer, M. 1952, M. 192 Verlight, MacRoffer, M. 1952, M. 192 Verlight, M. 1954, M. 1954, M. 192 Verlight, M. 1954, M. 1954, M. 1952 Verlight, M. 1954, M. 1954, M. 192 Verlight, M. 1954, M. 1954, M. 192 Verlight, M. 1954, M. 1952 Verlight, M. 1954, M. 195	· - ·			
VelDM_MacOffeet_Horbog_M_R2 VelDM_PM_R109K_M_R105V_MEX_UB_R2 VelDM_PM_R109K_M_R105V_MEX_UB_R2 VelDM_PM_R109K_M_R105V_MEX_UB_R2 VelDM_PM_R109K_M_R105V_MEX_UB_R2 VelDM_PM_R109K_M_R105V_MEX_UB_R2 VelDM_PM_R109K_M_R105V_MEX_UB_R2 VelDM_PM_R109K_M_R105V_MEX_UB_R2 VelDM_R109K_MR109K_				
VenDyn_PrintSV_M_str_V_Us_D2 VenDyn_PrintSV_M_str_V_Us_D3 VenDyn_PrintSV_M_str_V_Us_D3 VenDyn_PrintSV_M_str_V_Us_D3 VenDyn_Str_VMVU_Us_D4 VenDyn_Str_VMVU_Us_D4 VenDyn_Str_VMVU_Us_D4 VenDyn_Str_VMVU_Us_D4 VenDyn_Str_VMVU_Us_D4 VenDyn_Str_VMVU_Us_D4 VenDyn_Str_VMVU_Us_D4 VenDyn_VMVU_Us_D4 VenDyn_VMVU_				
VerDing Prints VerD				
VerDign, EPH-Vall, U.M., 192 VerDign, SEPH-Vall, U.M., 192 VerDign, VerDign, VerDign, Pert, NorTong, Javob, U.M., 192 VerDign, Seph-Vall, U.M., 192 VerDign,	·			
VerDiys DE-Private, Nuis _ 122 **I Fision/Obdamont, Uis _ 132 **I Fision/Obdamont, Uis _ 132 **I Spark/Obdamont, Uis _ 132 **I Transk/CDeedend Uis _ 13				
K. ISSBOPOWARDON, Us. 52 K. Systrichando, MitchegoHebberg, 12 K. Systrichando, MitchegoHebberg, 12 K. Transek/Chendurborg, Us. 12 K. Transek/Chendurborg, U		0.845000029		
K. LSSEN/ONDAID-MORP, UIS. 122 0 K. Trank/CHAM-MORP, UIS. 123 51 70000098 K. Trank/CHAM-MORP, UIS. 122 0.1550409905 Larged, Demmi Elessed Time, m. 3, u32. Elegaed Time 1316564738 Bispel, CellSystemTime, mS. Lu32. CurrentTime 1316564738 Larged, P. Min, m. 4. A. Virbilly, N. Worldy, P. Pell, CoxEOT, HwDog, IS2 Larged, N. In, m. 4. A. Virbilly, N. Worldy, P. Pell, CoxEOT, HwDog, IS2 Larged, R. In, m. 4. A. Virbilly, N. Worldy, P. Pell, CoxEOT, HwDog, IS2 Larged, R. In, m. 4. A. Virbilly, N. Worldy, P. Pell, Lower Cities, Miritages, IS2 Larged, R. In, m. 4. A. Virbilly, N. Worldy, P. Pell, J. Worldy, N. Worldy, P. Pell, P. Horlwin, S. Larged, R. In, m. 4. A. Virbilly, N. Worldy, P. Pell, J. Secondock, J. Worldy, N. Worldy, P. Pell, Secondock, J. Mong, IS2 Larged, V. Worldy, N. Worldy, P. Pell, Secondock, J. Mong, IS2 Larged, V. Worldy, N. Worldy, P. Pell, Secondock, J. Mong, IS2 Larged, V. Worldy, N. Worldy, P. Pell, Secondock, J. Mong, IS2 Larged, V. Worldy, N. Worldy, P. Pell, Secondock, J. Mong, IS2 Larged, V. Worldy, N. Worldy, P. Pell, Secondock, J. Mong, IS2 Larged, V. Worldy, N. Worldy, P. Pell, VelndeSpeed, Kipl, IS2 Larged, V. Worldy, P. Pell, VelndeSpeed, J. Mong, IS2 Larged, V. Worldy, P. Pell, VelndeSpeed, J. Mong, IS2 Larged, V. Worldy, P. Pell, VelndeSpeed, J. Mong, IS2 Larged, V. Worldy, P. Pell, VelndeSpeed, J. Mong, IS2 Larged, V. Worldy, P. Pell, VelndeSpeed, J. Mong, IS2 Larged, Velndy, P. Pell, VelndeSpeed, K	VehDyn_SLPHwPos_HwDeg_M_f32	-419.51001		
K. pysk/natio. AirDogothAnop.g. 12 S1.7000009	k_HiSpdVDAuthority_Uls_f32	0.30000012		
k. TranseCN-bandbarnd, Uis. 122 target, Dimmillioproed Time, mSt. JuS. Clarged Time target, Dimmillioproed Time, mSt. JuS. Clarged Time target, Edition of the Control of t	k_LoSpdVDAuthority_Uls_f32	0		
K_TransbChWaduroine_Usi_322	k_SysKinRatio_MtrDegpHwDeg_f32	96.5		
Larget_Prime Larg	k_TravelXCDeadband_Uls_f32	51.7900009		
	k_TravelXCHwAuthority_Uls_f32	0.155049995		
target, Rel, Inst, AQ, VehDyn, VehDyn, Perf. CweCT, HwDeg, 122 target, Mehn, AQ, VehDyn, VehDyn, Perf. CweCT, HwDeg, 122 target, Rel, Inst, AQ, VehDyn, VehDyn, Perf. HwTorque, HwNn, 132 target, VehDyn, Perf, HwTorque, HwNn, 132 target, Rel, Inst, AQ, VehDyn, VehDyn, Perf, HwTorque, HwNn, 132 target, VehDyn, Perf, HwTorque, HwNn, 132 target, Rel, Inst, AQ, VehDyn, VehDyn, Perf, RelhMyse, HwDeg, 132 target, VehDyn, Perf, Pe	target_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608		
staget_Relnat_Ap_VehDyn_VehDyn_Pert_Det_Det_Det_Det_Det_Det_Det_Det_Det_De	target_GetSystemTime_mS_u32_CurrentTime	1316564736		
target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. Morfor(ICRF_MKTRadps, S12) target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. Morfor(ICRF_MKTRadps, S12) target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. Rothwifer, J. Morgon, S12 target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. Rothwifer, J. Morgon, S12 target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. Rothwifer, J. Morgon, S12 target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthoriny, Uls, S12 target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthoriny, Uls, S12 target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthoriny, Uls, S12 target, Ret, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthoriny, Uls, S12 target, VehDyn, Pert J. Morfor(PER, Mrithm, S12 value S8, S6000019 target, VehDyn, Pert J. Morfor(PER, Mrithm, S12 value S8, S6000019 target, VehDyn, Pert J. Morfor(PER, Mrithm, S12 value S8, S6000019 target, VehDyn, Pert J. Torque-ChndCFR, Mrithm, S12 value S8, S6000019 target, VehDyn, Pert J. Torque-ChndCFR, Mrithm, S12 value S8, S6000019 target, VehDyn, Pert J. SensoriessAuthoriny, Uls, S12 target, VehDyn, Pert J. SensoriessAuthoriny, Uls, S2 target, VehDyn, Pert J. SensoriessAuthor	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
tanger, Ret, Inst, Ap, VehDyn, VehDyn, Pert, Indion/velCRF, Mirkradgs, 132 tanger, Level, Day, VehDyn, VehDyn, Pert, Institution, Pert, Institution, 132 tanger, Level, Day, VehDyn, VehDyn, Pert, Institution, 132 tanger, Level, Day, VehDyn, VehDyn, Pert, Institution, 132 tanger, Level, Day, VehDyn, VehDyn, Pert, DesconfessAuthority, Uls, 132 tanger, Level, Day, VehDyn, VehDyn, Pert, DesconfessAuthority, Uls, 132 tanger, Level, Day, VehDyn, VehDyn, Pert, DesconfessAuthority, Uls, 132 tanger, Level, Day, VehDyn, VehDyn, Pert, DesconfessAuthority, Uls, 132 tanger, Level, Day, Pert, DesconfessAuthority, Uls, 132 tanger, Level,				
target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. Retilweba, HwDeg, 132 target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. SensoriessAwthority, Uis. 52 target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. SensoriessAwthority, Uis. 52 target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. SensoriessAwthority, Uis. 52 target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. TorqueCmdCRF, Mithlyn. 52 target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. TorqueCmdCRF, Mithlyn. 52 target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. VehicleSpeed Vall. Cnt. 1gc target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. VehicleSpeed Vall. Cnt. 1gc target. Ret. Inatt. Ap. VehDyn. VehDyn. Pert. VehicleSpeed Vall. Cnt. 1gc target. VehDyn. Pert. CowCGT - HwDeg, 132 value target. VehDyn. Pert. CowCGT - HwDeg, 132 value target. VehDyn. Pert. CowCGT - HwDeg, 132 value target. VehDyn. Pert. HwTorque. HwMm. 132 value target. VehDyn. Pert. HwTorque. HwMm. 132 value target. VehDyn. Pert. Reth. Pos. HwDeg, 132 value target. VehDyn. Pert. TorqueCmdCRF, Mithlyn. 132 value target. VehDyn. Pert. TorqueCmdCRF, Mithlyn. 132 value target. VehDyn. Pert. TorqueCmdCRF, Mithlyn. 132 value target. VehDyn. Pert. VehicleSpeed Xeh, 132 value target. VehDyn. Pert. VehicleSpeed Xeh, 132 value target. VehDyn. Pert. VehicleSpeed Xeh, 132 value Namo Actual Value Expected Value VehDyn. AutoCntrDetSpd. M. str. Timert. ms. us2 2138628886 2138628886 2138628886 2138628886 2148628888 214				
target, Reinst, Ap, VehDyn, VehDyn, Pert, SensoriessAuthoris, Uls. 132 target, Rie, Inst, Ap, VehDyn VehDyn, Pert, SensoriessAuthoris, Uls. 132 target, Rie, Inst, Ap, VehDyn VehDyn, Pert, SensoriessAuthoris, Uls. 132 target, Reinst, Ap, VehDyn VehDyn, Pert, VehicleSpeed/Valid, Cnt. Igo target, Reinst, Ap, VehDyn VehDyn, Pert, VehicleSpeed/Valid, Cnt. Igo target, Reinst, Ap, VehDyn VehDyn, Pert, VehicleSpeed/Valid, Cnt. Igo target, Reinst, Ap, VehDyn VehDyn, Pert, VehicleSpeed/Valid, Cnt. Igo target, VehDyn, Pert, CowCOT, I+wDeg, 132 value target, VehDyn, Pert, CowCOT, I+wDeg, 132 value target, VehDyn, Pert, CowCOT, I+wDeg, 132 value target, VehDyn, Pert, More CowCot, I-wDeg, 132 value target, VehDyn, Pert, More CowCot, I-wDeg, 132 value target, VehDyn, Pert, Nehroes New More CowCot, I-wDeg, 132 value target, VehDyn, Pert, Nehroes New More CowCot, I-wDeg, 132 value target, VehDyn, Pert, VehicleSpeed, Kph, 132 value target, VehDyn, Pert, VehicleSpeed, Kph				
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target_VehDyn_Per1_VehicleSpeedValid_Ort_lgc_value				
target_VehDyn_Per1_VehicleSpeed_Kph_132_value 387.444002 Name Actual Value Expected Value VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 2138628886 2138628886 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 2138628886 2138628886 VehDyn_AutoCntrDelSpd_M_str.Timer2_mS_u32 3382212733 3382212733 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_132 1991.30005 1991.30005 ± 0.009 VehDyn_AutoCntrDelSpd_M_str.Filter1Enable_Cnt.lgc 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter1Enable_Cnt.lgc 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter2Enable_Cnt.lgc 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter2Enable_Cnt.lgc 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter2Enable_Cnt.lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3786740682 3786740682 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt.lgc 935.200012 395.20012 ≥ 300012 ≥ 40009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt.lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt.lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt.lgc 1 1<				
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VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1482.19995 -1482.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4224967295 4224967295 4224967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1990.19995 1990.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 <td< td=""><td>VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32</td><td>2600.6001</td><td>2600.6001 ± 0.009</td><td>•</td></td<>	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.6001	2600.6001 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.Filter1Pintialized_Cnt_lgc 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.19995 -1482.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 14294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 1316564736 3796740682 3796740682 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3796740682 3796740682 3796740682 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Ugc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Ugc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Ugc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Ugc 0 0 VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_Ugc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Ugc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Ugc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Ugc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3796740682 3796740682 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1482.19995 -1482.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_LoSpd_Learnt_Cnt_M_lgc 0 0	VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 935.200012 935.200012 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1482.19995 -1482.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1990.19995 1990.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1482.19995 -1482.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Rimer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 1 VehDyn_HiSpdLearnt_Cnt_M_Igc 0 0 0 VehDyn_Initialize_Cnt_M_Igc 0 0 0 VehDyn_LoSpdLearnt_Cnt_M_Igc 0 0 0 <td>VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32</td> <td>935.200012</td> <td>935.200012 ± 0.0009</td> <td>•</td>	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012	935.200012 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 1316564736 1316564736 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1900.19995 1900.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrLoSpd_M_str.ReilHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				•
VehDyn_HiSpdLearnt_Cnt_M_lgc 0 0 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				
VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				
VehDyn_LoSpdLearnt_Cnt_M_lgc 0 0				
7 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5				
	VehDyn_MaxOffset_HwDeg_M_f32	938.245972	938.245972	
VeriDyn_MinOffset_HwDeg_M_f32 758.339966 758.340027				





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.897769	13.897769 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.845000029	0.845000029 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-419.51001	-419.51001 ± 0.1	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Fest Step 2.118 (Repeat Count = 1)	
lame	Input Value
htrmnElapsedTime_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	120.099998
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
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	2600.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.65999995e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.1999981
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000668000022
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000327999995
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	98.4000015
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	88.4000015
ehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32	10.3999996
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.6400036e-005
ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2000.5
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
enbyn_AutoCntrLoSpd_M_str.Filter1midalized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn_Initialize_Cnt_M_lgc	1





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_UIs_f32	0.40000006	
k_LoSpdVDAuthority_UIs_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	<u> </u>
Name	Actual Value Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861 2345892861	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708 3589476708	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.19995 2600.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.19995 2600.19995 ± 0.009 -2400.5 -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	2600.19995	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	2600.19995 2600.19995 ± 0.009 -2400.5 -2400.5 ± 0.009 0 0 0	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	2600.19995	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	2600.19995	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	2600.19995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	2600.19995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	2600.19995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.Filter1Enable_Cnt_lgc	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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_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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Filter1Spl.132 VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.132 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 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 VehDyn_LoSpdLearnt_Cnt_M_lgc	2600.19995	
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.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.Filter3_m_32 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32	2600.19995 2600.19995 ± 0.009 -2400.5 -2400.5 ± 0.009 0 0 0 0 0 0 1 1 2075080192 2075080192 4004004657 4004004657 -888.5 -888.5 ± 0.0009 2600.19995 2600.19995 ± 0.009 0 0 1 1 1 1 0 0 274107514 274107514 2553156835 -1900.09998 ± 0.009 -2000.5 -2000.5 ± 0.009 1 1 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	2600.19995	
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.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.Filter3_m_32 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32	2600.19995 2600.19995 ± 0.009 -2400.5 -2400.5 ± 0.009 0 0 0 0 0 0 1 1 2075080192 2075080192 4004004657 4004004657 -888.5 -888.5 ± 0.0009 2600.19995 2600.19995 ± 0.009 0 0 1 1 1 1 0 0 274107514 274107514 2553156835 -1900.09998 ± 0.009 -2000.5 -2000.5 ± 0.009 1 1 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•



Test Step 2.119 (Repeat Count = 1)	<u> </u>
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0 52.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0 56.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.1999981
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	32.200008
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.FiltPinTrg 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_cSpd_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	0
VehDyn LoSpdLearnt Cnt M lqc	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_TraveIXCHwAuthority_UIs_f32	0.157499999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208
target_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNi	m_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M	trRadpS_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho	rity_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target VehDyn Per1 SensorlessHwPo	s HwDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF	MtrNm f32	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedVal		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpeed K	ph 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 Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.769989		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	- recount
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2760420810	2760420810	y
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2400.5	-2400.5 ± 0.009	v
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.6001	2800.6001 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	1	1	~
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	v
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	V
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	425.200012	425.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-2400.30005	-2400.30005 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0	0	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	954802432	954802432	~
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	1024	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.59998	-1482.59998 ± 0.009	✓
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1900.09998	1900.09998 ± 0.009	
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc	1	1	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn HiSpdLearnt Cnt M Igc	0	0	~
VehDyn Initialize Cnt M Igc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn MaxOffset HwDeg M f32	1327.40796	1327.40796	
VehDyn_MinOffset_HwDeg_M_f32	-711.98999	-711.98999	_
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20256662	3.20256662 ± 0.000009	
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.879000008	0.879000008 ± 0.004	-
target_VenDyn_Per1_SensoriessAuthority_Ois_isz.value target_VenDyn_Per1_SensoriessHwPos_HwDeg_f32.value	-398.98999	-398,98999 ± 0.1	
target_veribyi1_rer1_serisoriessnwros_nwbeg_132.value	-090.80888	-390.90999 I U. I	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.120 (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	

2014-09-19, 20:47:45+0530



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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.6001	2800.6001 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002	-2000.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005	2800.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812	328928812	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5	-753.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900	-1900 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-953.221985	-953.221985	~
VehDyn_MinOffset_HwDeg_M_f32	1795.09009	1795.08997	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39348936	-5.39348888 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.121 (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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	1900.30005 0.00067400001		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_Uls_f32	-1438.30005		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000339999999		
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 Igc	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	6.19999981		
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	958.213989		
VehDyn_MinOffset_HwDeg_M_f32	-650.442017		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000440000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.912999988		
VehDyn_SLPHwPos_HwDeg_M_f32	-378.470001		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_UIs_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	63.5		
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	47.6699982 0.159950003		
. – . – . – . – . – . – . – . – . – . –	2339853824		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime	824746752		
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32		2	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg 132	target_VehDyn_Per1_CcwEOT_HwDeg_f3 target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f3		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VenDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target VehDyn Per1 VehicleSpeedValid (_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-699.469971		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1316.27002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.60000038		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1235.10999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2600.13989		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.980011		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	3174948759	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024	753.400024 ± 0.0009	~
V. D. A. J. O. J. D. J. A. J. E. H. O. J. J.	4	4	

VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005	1900.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.600006	456.600006 ± 0.0009	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	-
VehDyn_MaxOffset_HwDeg_M_f32	-1283.86987	-1283.87	✓
VehDyn_MinOffset_HwDeg_M_f32	-650.442017	-650.442017	-
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.60091877	7.60091877 ± 0.000009	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.912999988	0.912999988 ± 0.004	-
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-378.470001	-378.470001 ± 0.1	•

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.122 (Repeat 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	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	3.69999998e-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
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_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
VehDyn_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

2014-09-19, 20:47:45+0530



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000344		
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	120.300003		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.300003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.2999992		
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	2138628886		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.72000024e-005		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-753.200012		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976		
	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	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-963.205994		
VehDyn_MinOffset_HwDeg_M_f32	-643.757996		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000441000011		
VehDyn_SLPHwAuth_Uls_M_f32	0.930000007		
VehDyn_SLPHwPos_HwDeg_M_f32	-368.209991		
k_HiSpdVDAuthority_Uls_f32	0		
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985		
k_TravelXCDeadband_Uls_f32	46.6399994		
k_TravelXCHwAuthority_Uls_f32	0.161174998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344		
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 f3:	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRad		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f3	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_l	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-693.210022		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1310.70105		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2400		
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	I=	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	309385728	309385728	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400	-2400 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40015	-1988.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	i i		
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1000 00000	-1900.09998 ± 0.009	→
	-1900.09998		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998 753.5	753.5 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc		753.5 ± 0.0009 0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	753.5		✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	753.5 0 1	0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	753.5 0	0	*

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1310.70105	1310.70105	~
VehDyn_MinOffset_HwDeg_M_f32	-693.210022	-693.210022	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50363731	1.50363731 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.930000007	0.930000007 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-368.209991	-368.209991 ± 0.1	~

T				y
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Name 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	211.5
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	255
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	21364
/ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	52716
/ehDyn AutoCntrDetSpd M str.Timer1 mS u32	3589476708
/ehDyn AutoCntrDetSpd M str.Timer2 mS u32	2138628886
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.7100001e-006
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1988.40002
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000877999992
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1
/ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	18.2000008
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	10
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	88.5
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	30404
/ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	30349
/ehDyn AutoCntrHiSpd M str.Timer1 mS u32	2553156835
/ehDyn AutoCntrHiSpd M str.Timer2 mS u32	4290967295
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1482.40002
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000677999982
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1988.5
/ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000348000001
/ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc	1
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	0
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0
/ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	66.5
/ehDyn AutoCntrLoSpd M str.VehSpd kph f32	116.5
/ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	10.5
/ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32	54.5
/ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	53759
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715

2014-09-19, 20:47:45+0530



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	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	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	0		
k_SysKinRatio_MtrDegpHwDeg_f32	75.4000015		
k_TravelXCDeadband_Uls_f32	45.6100006		
k_TraveIXCHwAuthority_UIs_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_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuthority	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_ -686.950012	132	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target VehDyn_Per1_CwEOT_HwDeg_f32.value	1305.13196		
	-1.10000002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value 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		
Tarrier Venium Peri VenicieSheed Khn 132 Value	230 039993		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993	Expected Value	Pocult
Name	Actual Value	Expected Value	Result
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	1	Result
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 1 3589476708	1 3589476708	7
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	Actual Value 1 3589476708 2138628886	1 3589476708 2138628886	· ·
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	Actual Value 1 3589476708 2138628886 -1988.5	1 3589476708 2138628886 -1988.5 ± 0.009	\ \ \ \
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009	~
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009	· · · · · · · · · · · · · · · · · · ·
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1	• • • • • • • • • • • • • • • • • • •
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1	• • • • • • • • • • • • • • • • • • •
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Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984	
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Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 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	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 -1988.5 ± 0.009	
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Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5 0 0 0 1	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 -1988.5 ± 0.009 0 0 1	
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Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5 0 0 0 1 1 2659241984 2967684784	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 -1988.5 ± 0.009 0 0 1 2659241984 2967684784	
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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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.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	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5 0 0 0 1 2659241984 2967684784 2600.6001 456.100006	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 0 0 0 1 2659241984 2967684784 2600.6001 ± 0.009 456.100006 ± 0.0009	
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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5 0 0 0 1 2659241984 2967684784 2600.6001	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 0 0 0 1 2659241984 2967684784 2600.6001 ± 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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5 0 0 0 1 2659241984 2967684784 2600.6001 456.100006 0	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 0 0 1 2659241984 2967684784 2600.6001 ± 0.009 456.100006 ± 0.0009 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.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 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5 0 0 0 1 2659241984 2967684784 2600.6001 456.100006 0 1	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 0 0 1 2659241984 2967684784 2600.6001 ± 0.009 456.100006 ± 0.0009 0 1	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initiali	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5 0 0 0 1 2659241984 2967684784 2600.6001 456.100006 0 1	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 0 0 1 2659241984 2967684784 2600.6001 ± 0.009 456.100006 ± 0.0009 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.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 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 3589476708 2138628886 -1988.5 1988.40002 1 1 1 0 2659241984 4290967295 -1482.40002 -1988.5 0 0 0 1 2659241984 2967684784 2600.6001 456.100006 0 1 1	1 3589476708 2138628886 -1988.5 ± 0.009 1988.40002 ± 0.009 1 1 1 0 2659241984 4290967295 -1482.40002 ± 0.009 0 0 1 2659241984 2967684784 2600.6001 ± 0.009 456.100006 ± 0.0009 0 1 1	





Name	Actual Value	Expected Value	Result
VehDyn_MaxOffset_HwDeg_M_f32	1305.13196	1305.13196	~
VehDyn_MinOffset_HwDeg_M_f32	-686.950012	-686.950012	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59980774	-1.59980774 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.947000027	0.947000027 ± 0.004	✓
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-357.950012	-357.950012 ± 0.1	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.124 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	543.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	199.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
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	1988.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.72e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
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	34
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000679999997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000352000003
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	34.5999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.75999981e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
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

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Name	Input Value		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn LoSpdLearnt Cnt M Igc	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_UIs_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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f:	32	
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	-1.3999998		
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		
· ·		1	1
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1 3796740682	1 3796740682	*
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 3796740682 2345892861	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	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 1991.69995	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 1991.69995	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 1991.69995 0	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 1991.69995 0	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 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1 3796740682 2345892861 1988.59998 1991.69995 0 0	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 1991.69995 0 0 1 1	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 0 1 1 1 2942063360	· · · · · · · · · · · · · · · · · · ·
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 0 1 1 1 2942063360 1078320779	· · · · · · · · · · · · · · · · · · ·
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779 -753.200012	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_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779 -753.200012 1988.59998	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_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779 -753.200012 1988.59998	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_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_Igc	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779 -753.200012 1988.59998 0	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.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_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	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779 -753.200012 1988.59998 0	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	· · · · · · · · · · · · · · · · · · ·
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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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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_AutoCntrHoSpd_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.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779 -753.200012 1988.59998 0 1 1 1 0 383750110 3174948759 -2400.5 -2500.19995 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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 333750110 3174948759 -2400.5 ± 0.009 -2500.19995 ± 0.009 1 0 1 1 1 1 1 1 1 1 1 -973.190002 757.400024	· · · · · · · · · · · · · · · · · · ·
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.RelHwPosFiit1SV_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.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 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.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_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.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_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_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter3Initialized_Cnt_lgc VehDyn_Initialized_Cnt_M_gc VehDyn_AutoCntrLoSpd_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779 -753.200012 1988.59998 0 1 1 1 0 383750110 3174948759 -2400.5 -2500.19995 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3796740682 2345892861 1988.59998 ± 0.009 1991.69995 ± 0.009 0 1 1 1 2942063360 1078320779 -753.200012 ± 0.0009 1 1 1 1 0 383750110 3174948759 -2400.5 ± 0.009 -2500.19995 ± 0.009 1 0 1 1 1 1 1 1 1 -973.190002 757.400024 -14.7940722 ± 0.00009	· · · · · · · · · · · · · · · · · · ·
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.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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_AutoCntrHoSpd_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.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc	1 3796740682 2345892861 1988.59998 1991.69995 0 0 1 1 1 2942063360 1078320779 -753.200012 1988.59998 0 1 1 1 0 383750110 3174948759 -2400.5 -2500.19995 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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 333750110 3174948759 -2400.5 ± 0.009 -2500.19995 ± 0.009 1 0 1 1 1 1 1 1 1 1 1 -973.190002 757.400024	· · · · · · · · · · · · · · · · · · ·



T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Input Value
target_DtrmnElapsedTime_mS_u32_ElapsedTime
target_GetSystemTime_mS_u32_CurrentTime
target_Rte_Inst_Ap_VehDyn
1
9.5
146.5
0
78.5
21335
34188
4004004657
2553156835
1991.5
3.7299989e-006
-2400.3999
0.000882000022
1
1
0
0
2.20000005
76.5
4
97.1999969
16683
22497
2967684784
2138628886
456.200012
0.000682000013
1991.30005
0.000356000004
0
0
0
1
2.70000005
136.699997
14.6999998
96.6999969
21364
52716
2138628886
3382212733
2800.6001
6.77999997e-005
2600.1001
0.000882000022
0
1
1
0
1
0
978.182007
-623.705994
7 00000040
7.80000019
0.000444000005 0.981000006





Name	Inmut Value		
Name	Input Value 0.800000012		
k_HiSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32	0		
k SysKinRatio MtrDegpHwDeg f32	86.3000031		
k_TravelXCDeadband_Uls_f32	43.5499992		
k TravelXCHwAuthority Uls f32	0.164849997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336		
target GetSystemTime mS u32 CurrentTime	1117112832		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1117112832	1117112832	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.6001	2800.6001 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001	2600.1001 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	540.960999	540.960999	~
VehDyn_MinOffset_HwDeg_M_f32	-623.705994	-623.705994	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.79582453	7.79582405 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.981000006	0.981000006 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-337.429993	-337.429993 ± 0.1	•

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 ChecknointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	V



Input Value
target_DtrmnElapsedTime_mS_u32_ElapsedTime
target_GetSystemTime_mS_u32_CurrentTime
target_Rte_Inst_Ap_VehDyn
1
533.5
156.5
20
96.5
12258
36416
4211268631
2760420810
-2400.6001
3.7400001e-006
2800.69995
0.000883999979
0
0
1
120.5
86.1999969
6.19999981
86
5235
27074
3174948759
2345892861
-2500.5
0.000684000028
-2400.3999
0.000360000005
1
1
1
0
120.800003
146.800003
16.7999992
32.7999992
33198
7778
2345892861
3589476708
-1438.5
6.80000012e-005
-2400.19995
0.000883999979
1
0
0
1
1
0
1
983.174011
-617.021973
3.20000005
0.000445000012
0.998000026
-327.170013
0.89999976
0.99000001
42.5
42.5200005
0.166075006
800969984
1736795392
1736795392 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32



Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_I	Uls f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target VehDyn Per1 SensorlessHwPos Hv	_	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF MtrN	Nm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	nt lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	rtocurt
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4211268631	4211268631	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420810	2760420810	
VehDyn AutoCntrDetSpd_wi_str.Timer2_mo_us2 VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2400.6001	-2400.6001 ± 0.009	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.69995	2800.69995 ± 0.009	
	0	0	-
VehDyn_AutoCatrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc		·	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861 -2500.5	2345892861	~
VehDyn_AutoCatrl liSad M. etc.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32		-2500.5 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861	2345892861	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	*
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	1288.42505	1288.42505	•
VehDyn_MinOffset_HwDeg_M_f32	-668.169983	-668.169983	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.19759798	3.19759798 ± 0.000009	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.89999976	0.89999976 ± 0.004	-
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	412.399902	412.399994 ± 0.1	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.127 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	

2014-09-19, 20:47:45+0530



N	In-mat Value
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	3.7499991e-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
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
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_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.82000027e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	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_UIs_f32	1
k_LoSpdVDAuthority_Uls_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_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	-661.909973
target VehDyn Per1 CwEOT HwDeg 132.value	1282.85596
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.2999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-2.2999999 -418.660004
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.900001
targot_vonDyn_r or 1_rorqueomidotxt _withvini_ioz.value	7.0000001





Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.9199982		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005	2600.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.69995	2800.69995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.400024	753.400024 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1282.85596	1282.85596	✓
VehDyn_MinOffset_HwDeg_M_f32	-661.909973	-661.909973	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.39843702	-5.39843702 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.779999971	0.779999971 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-812.100098	-812.099976 ± 0.1	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.128 (Repeat Count = 1)	✓
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708 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_lgc	1			
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1			
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	400.600006			
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.600006			
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.5999999 41.5999985			
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258			
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_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			
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 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_TraveIXCHwAuthority_UIs_f32	0.168524995			
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	3351443200 3494315776			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target VehDyn Per1 CcwEOT HwI	Den f32		
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwD	·-		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hv	-		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hv	vDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAu	thority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHw	/Pos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCf			
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	_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-655.650024			
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1277.28699			
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-2.5999999 -425			
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1991.10999			
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.0499992			
Name	Actual Value	Expected Value	Resul	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3494315776	3494315776	•	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	•	
		4400 00005 + 0 000		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.69995	-1482.69995 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32				

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.69995	-1438.69995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.69995	-1988.69995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-993.15802	-993.15802	~
VehDyn_MinOffset_HwDeg_M_f32	-603.653992	-603.653992	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59548759	7.59548759 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.959999979	0.959999979 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-306.649994	-306.649994 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530



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	6.85999985e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000890000025		
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	-596.969971		
VehDyn_PinTrqSV_M_str.SV_Uls_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_UIs_f32	0.30000012		
k_SysKinRatio_MtrDegpHwDeg_f32	86.300031		
k TravelXCDeadband Uls f32	39.4300003		
k TravelXCHwAuthority UIs 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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAuthority_		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target VehDyn Per1 SensorlessHwPos H	_	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-649.390015	0 <u>2</u>	
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		
		Format d Walter	December
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620	109643620	_
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.799988	-753.799988 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	463842816	463842816	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.80005	1950.80005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	463842816	463842816	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002	1988.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.400024	753.400024 ± 0.0009	~





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-998.150024	-998.150024	✓
VehDyn_MinOffset_HwDeg_M_f32	175.049988	175.050003	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49798727	1.49798727 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.30000012	0.300000012 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1577.84009	-1577.83997 ± 0.1	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	290.5
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	196.5
/ehDyn AutoCntrDetSpd M str.FiltPinTrg 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 Igc	1
'ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	200.199997
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
/ehDyn AutoCntrHiSpd M str.FiltPinTrg 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.FiltPinTrg 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

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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	-590.286011		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-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_UIs_f32	0		
k_LoSpdVDAuthority_UIs_f32	0.777999997		
k_SysKinRatio_MtrDegpHwDeg_f32	96.5		
k_TravelXCDeadband_Uls_f32	38.4000015 0.170975		
k_TravelXCHwAuthority_UIs_f32	1975593216		
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	1759885568		
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	22	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_i3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.700012	456.700012 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	*
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	1885.90002	1885.90002 ± 0.009	· ·
VehDyn_AutoCatrl liSad M. etc. Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	4	4	- 4
	1	1	
	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 3174948759	0 3174948759	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 3174948759 4290967295	0 3174948759 4290967295	ž
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 3174948759 4290967295 1991.69995	0 3174948759 4290967295 1991.69995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	0 3174948759 4290967295 1991.69995 -1988.5	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 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	0 3174948759 4290967295 1991.69995 -1988.5	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 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	0 3174948759 4290967295 1991.69995 -1988.5 1	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 3174948759 4290967295 1991.69995 -1988.5	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 0.009 1	
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	0 3174948759 4290967295 1991.69995 -1988.5 1 0	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 0.009 1 0	
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_HiSpdLearnt_Cnt_M_lgc	0 3174948759 4290967295 1991.69995 -1988.5 1	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 0.009 1	
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.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	0 3174948759 4290967295 1991.69995 -1988.5 1 0	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 0.009 1 0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 3174948759 4290967295 1991.69995 -1988.5 1 0 0 1 1 1	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 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.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 VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 3174948759 4290967295 1991.69995 -1988.5 1 0 0 1 1 1 1 1 1 1266.14905	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 0.009 1 0 0 1 1 1 1 1 1266.14905	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 3174948759 4290967295 1991.69995 -1988.5 1 0 0 1 1 1	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 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.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 VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 3174948759 4290967295 1991.69995 -1988.5 1 0 0 1 1 1 1 1 1266.14905 -643.130005	0 3174948759 4290967295 1991.69995 ± 0.009 -1988.5 ± 0.009 1 0 0 1 1 1 1 1266.14905 -643.130005	





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-286.130005	-286.130005 ± 0.1	~

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.131 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	3.78999994e-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	6.90000015e-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 Igc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn Initialize Cnt M lgc	0
/ehDyn_Initialize_Cit_M_igc	0
/ehDyn_toSpoteamt_Cnt_m_gc /ehDyn_MaxOffset_HwDeg_M_f32	1008.13397
/ehDyn_MinOffset_HwDeg_M_f32	-583.60199
	-14.8000002
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	
ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000449999992





	1		
Name	Input Value		
VehDyn_SLPHwAuth_Uls_M_f32	0.902999997		
VehDyn_SLPHwPos_HwDeg_M_f32	-275.869995		
k_HiSpdVDAuthority_UIs_f32	1 0		
k_LoSpdVDAuthority_UIs_f32	45.0999985		
k_SysKinRatio_MtrDegpHwDeg_f32 k TravelXCDeadband Uls f32	37.3699989		
k TravelXCHwAuthority Uls f32	0.172199994		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864		
target_GetSystemTime_mS_u32_CurrentTime	1662097408		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrR		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I	HwDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt		
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_	<u>f</u> 32	
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	219286216	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005	-2500.80005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.80005 1950.5	-2500.80005 ± 0.009 1950.5 ± 0.009	Ž
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-2500.80005 1950.5	-2500.80005 ± 0.009 1950.5 ± 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	-2500.80005 1950.5 1	-2500.80005 ± 0.009 1950.5 ± 0.009 1	✓
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	-2500.80005 1950.5 1 1	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1	· · · · · · · · · · · · · · · · · · ·
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	-2500.80005 1950.5 1 1 0	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 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	-2500.80005 1950.5 1 1 1 0 0 1662097408	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408	· · · · · · · · · · · · · · · · · · ·
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	-2500.80005 1950.5 1 1 0 0 0 1662097408 3382212733	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	-2500.80005 1950.5 1 1 0 0 1662097408 3382212733 753.200012	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733 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	-2500.80005 1950.5 1 1 0 0 1662097408 3382212733 753.200012 142.899994	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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	-2500.80005 1950.5 1 1 0 0 1662097408 3382212733 753.200012 142.899994 0	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 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	-2500.80005 1950.5 1 1 0 0 1662097408 3382212733 753.200012 142.899994 0	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-2500.80005 1950.5 1 1 0 0 1662097408 3382212733 753.200012 142.899994 0 0	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 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.Filter1Eniable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-2500.80005 1950.5 1 1 0 0 1662097408 3382212733 753.200012 142.899994 0 0	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	-2500.80005 1950.5 1 1 0 0 1662097408 3382212733 753.200012 142.899994 0 0 0 1 1662097408	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 0 1 1662097408	· · · · · · · · · · · · · · · · · · ·
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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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-2500.80005 1950.5 1 1 1 0 0 0 1662097408 3382212733 753.200012 142.899994 0 0 1 1662097408 1078320779 -2400.3999 1988.40002 0 1 1 1 0	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.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_AutoCntrHoSpd_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.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.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	-2500.80005 1950.5 1 1 1 0 0 0 1662097408 3382212733 753.200012 142.899994 0 0 1 1662097408 1078320779 -2400.3999 1988.40002 0 1 1 1 0 0	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 0 0 1662097408 3382212733 753.200012 ± 0.0009 142.899994 ± 0.0009 0 1 1662097408 1078320779 -2400.3999 ± 0.009 1988.40002 ± 0.009 0 1 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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc	-2500.80005 1950.5 1 1 0 0 0 1662097408 3382212733 753.200012 142.899994 0 0 0 1 1662097408 1078320779 -2400.3999 1988.40002 0 1 1 0 0 1	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 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	**************************************
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.Filter1Enitialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enitialized_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.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-2500.80005 1950.5 1 1 0 0 0 1662097408 3382212733 753.200012 142.899994 0 0 0 1 1662097408 1078320779 -2400.3999 1988.40002 0 1 1 0 0 1 1 0 0 1 1 0 1260.57996 -636.869995	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 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	
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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrAlside And Str.Sider32 VehDyn_AutoCntrAlside And Str.Sider32 VehDyn_BinTidalized_Cnt_lgc	-2500.80005 1950.5 1 1 0 0 0 1662097408 3382212733 753.200012 142.899994 0 0 0 1 1662097408 1078320779 -2400.3999 1988.40002 0 1 1 0 0 1 1 0 0 1260.57996 -636.869995 -14.7948837	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 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 1260.57996 -636.869995 -14.7948828 ± 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_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_AutoCntrHoSpd_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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-2500.80005 1950.5 1 1 0 0 0 1662097408 3382212733 753.200012 142.899994 0 0 0 1 1662097408 1078320779 -2400.3999 1988.40002 0 1 1 0 0 1 1 0 0 1 1 0 1260.57996 -636.869995	-2500.80005 ± 0.009 1950.5 ± 0.009 1 1 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 1260.57996 -636.869995	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.132 (Repeat Count = 1)	L W
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
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	49369
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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	3.80000006e-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	0.000696000003
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	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.299988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.2999995
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_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	1013.12598
VehDyn_MinOffset_HwDeg_M_f32	-576.91803
VehDyn_PinTrqSV_M_str.SV_Uls_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_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	78.4000015
k_Syskiinkatio_MitDegp1WDeg_132	36.3400002
k_TraveIXCHwAuthority_Uls_f32	0.173425004
target DtrmnElapsedTime mS u32 ElapsedTime	402713344
target_DtrimielapsedTime_ms_usz_elapsedTime target GetSystemTime mS u32 CurrentTime	2127166208
target_GetsystemTime_ms_usz_currentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VeriDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT_HwDeg_r32



Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCR	F_MtrRadpS_f32	
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos I		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	authority Uls f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target VehDyn Per1 SensorlessH		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd	CRF MtrNm f32	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpee		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target VehDyn Per1 VehicleSpee		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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		
target VehDyn Per1 VehicleSpeedValid Cnt Igc.value	1		
target VehDyn Per1 VehicleSpeed Kph f32.value	398.119995		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	-
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2127166208	2127166208	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004657	4004004657	-
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.700012	-753.700012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	-
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	_
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1024	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708	3589476708	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5	-1988.5 ± 0.009	•
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.90002	-1900.90002 ± 0.009	_
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	3589476708	3589476708	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2138628886	2138628886	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.69995	2800.69995 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc	0	0	_
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	_
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn Initialize Cnt M Igc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	
VehDyn MaxOffset HwDeg M f32	597.140991	597.140991	
VehDyn_MinOffset_HwDeg_M_f32	-576.91803	-576.91803	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.790226	17.7902279 ± 0.00009	
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.884000003	0.884000003 ± 0.004	-
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-265.609985	-265.609985 ± 0.1	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.133 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	

2014-09-19, 20:47:45+0530



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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.799988	456.799988 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997	142.199997 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.80005	-1482.80005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861	2345892861	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1630.60803	-1630.60803	•
VehDyn_MinOffset_HwDeg_M_f32	-570.234009	-570.234009	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99865341	-6.99865341 ± 0.000009	•
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.86500001	0.86500001 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-255.350006	-255.350006 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.134 (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	0.00089999985
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 4004004657		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 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_Uls_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	2.29999995		
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 VehDyn_AutoCntrLoSpd_M_str_PelHypPosFilt1SV_HypPog_str_SV_Llls_f32	2553156835 1950.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.X_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_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1023.10999		
VehDyn_MinOffset_HwDeg_M_f32	-563.549988		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452999986		
VehDyn_SLPHwAuth_Uls_M_f32	0.846000016		
VehDyn_SLPHwPos_HwDeg_M_f32	-245.089996		
k_HiSpdVDAuthority_UIs_f32	0		
k_LoSpdVDAuthority_UIs_f32	32.2999992		
k_SysKinRatio_MtrDegpHwDeg_f32 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 Hv	vDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H	HwNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCR		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_h	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	uthority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	lwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd0		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpee		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	d_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-618.090027		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1243.87305		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.4000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.840027 200.645006		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	200.645996		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1.5		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.980011		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	Resul
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1050692864	1050692864	
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.69995	-2500.69995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998	-1900.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
, , , , , , , , , , , , , , , , , , , ,		0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	U	· ·

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.40002	1991.40002 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005	1900.80005 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1243.87305	1243.87305	~
VehDyn_MinOffset_HwDeg_M_f32	-618.090027	-618.090027	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29517412	6.29517412 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.846000016	0.846000016 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-245.089996	-245.089996 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_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	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	63.0999985
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
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0

2014-09-19, 20:47:45+0530

Input Value



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	4.6999981		
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	6.98000003e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_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 PinTrgSV M str.K Uls f32	0.000453999994		
VehDyn SLPHwAuth Uls M f32	0.827000022		
VehDyn_SLPHwPos_HwDeg_M_f32	-234.830002		
	-234.630002		
k_HiSpdVDAuthority_Uls_f32			
k_LoSpdVDAuthority_UIs_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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm 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 f	32	
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		
· · · · · · · · · · · · · · · · · · ·	0		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	•		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.079987	E	-
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005	2600.80005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	3039943680	3039943680	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.09998	-2000.09998 ± 0.009	·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.90002	-1900.90002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
	0	0	
VehDyn_AutoCotrHiSpd_M_str.Filter2Enable_Cnt_lgc			
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3039943680	3039943680	V
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	148.199997	148.199997 ± 0.0009	V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	~

2014-09-19, 20:47:45+0530





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1238.30396	1238.30396	~
VehDyn_MinOffset_HwDeg_M_f32	-611.830017	-611.830017	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1909513	15.1909513 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.827000022	0.827000022 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-234.830002	-234.830002 ± 0.1	•

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

ame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	498.5
ehDyn AutoCntrDetSpd M str.VehSpd kph f32	186.5
ehDyn AutoCntrDetSpd M str.FiltPinTrg 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	3.8399986e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.R_0is_i32	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 Igc	0
ehDyn AutoCntrDetSpd M str.Filter2Initialized_Cnt_lgc	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.Timer1THresh_mS_u16	3186
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
· - · ·	1024
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1900.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0.000704000005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	-1482.80005
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	662.200012
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.199997
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.1999981
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

 $\ensuremath{\texttt{©}}$ Report created by TESSY V3.1.7, report template V2.1

2014-09-19, 20:47:45+0530



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	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 UIs 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		
	0		
k_HiSpdVDAuthority_UIs_f32	1		
k_LoSpdVDAuthority_UIs_f32			
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985		
k_TraveIXCDeadband_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_HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwN	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M	ftrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho	ority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPe	os_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF	_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVa	alid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_k	(ph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.410004		
	120.410004	Fymantad Value	Daguile
	Actual Value		
Name	Actual Value	Expected Value	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0 1316564736	0 1316564736	•
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0 1316564736 1024	0 1316564736 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	0 1316564736	0 1316564736 1024 -2400.69995 ± 0.009	•
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0 1316564736 1024	0 1316564736 1024	•
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	0 1316564736 1024 -2400.69995	0 1316564736 1024 -2400.69995 ± 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	0 1316564736 1024 -2400.69995 2600.1001	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 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.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	0 1316564736 1024 -2400.69995 2600.1001 0	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0 1316564736 1024 -2400.69995 2600.1001 0	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0	0
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	0 1316564736 1024 -2400.69995 2600.1001 0	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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	0 1316564736 1024 -2400.69995 2600.1001 0 0	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216	
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_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 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_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.19995 ± 0.009	
VehDyn_AltoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.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	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0 1	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009 0 1	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0 1 1	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009 0 1 1	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0 1 1 0 100	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009 0 1 1 0 1 0 1024	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0 1 1 0 1024 2967684784	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009 0 1 1 0 1 1 0 1024 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.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0 1 1 0 1024 2967684784 753.099976	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009 0 1 1 0 1024 2967684784 753.099976 ± 0.0009	
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VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_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_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0 1 1 0 1024 2967684784 753.099976 1950.5 1 0 0 0 1	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009 0 1 1 0 1024 2967684784 753.099976 ± 0.009 1 0 0 0 0 1 1 0 0 0 1	
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VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter1Pinitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0 1 1 0 1024 2967684784 753.099976 1950.5 1 0 0 0 1 1 1 1	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009 0 1 1 1 0 1024 2967684784 753.099976 ± 0.009 1 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_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_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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1316564736 1024 -2400.69995 2600.1001 0 0 1 219286216 1024 1900.19995 -1482.80005 0 1 1 1 0 0 1024 2967684784 753.099976 1950.5 1 0 0 0 1 1 1 1 1 1 1 -1033.09399	0 1316564736 1024 -2400.69995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.19995 ± 0.009 -1482.80005 ± 0.009 0 1 1 0 1024 2967684784 753.099976 ± 0.0009 1950.5 ± 0.009 1 0 0 0 1 1 1 1 1 1 1 -1033.09399	Result





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-224.570007	-224.570007 ± 0.1	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.137 (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	539.400024
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.399994
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	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_Igc	1
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	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.FiltPinTrg 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.Timer1Thresh_mS_u16	53946
ehDyn AutoCntrLoSpd M str.Timer2 ms u32	54822322
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
ehDyn_AutoCntrLoSpd_M_str.Timer2_m3_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.19995
· - · ·	7.02000034e-005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	1885.09998
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
	0
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	
ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_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





N	Inner Malue		
Name	Input Value		
VehDyn_SLPHwAuth_Uls_M_f32	0.788999975		
VehDyn_SLPHwPos_HwDeg_M_f32	-214.309998 1		
k_HiSpdVDAuthority_Uls_f32 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	0.179550007 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_f		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_I		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kpl		
target VehDyn Per1 CcwEOT HwDeg f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988	-753.799988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.19995	1885.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32		1885.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1885.09998		
	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0 1 1	0 1 1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1 1 1	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	0 1 1 1 1 0	0 1 1 1 1 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 VehDyn_Initialize_Cnt_M_lgc	0 1 1 1 0	0 1 1 1 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 VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	0 1 1 1 0 1 0	0 1 1 1 1 0 1 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 VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	0 1 1 1 1 0 1 0 1038.08606	0 1 1 1 0 1 0 1 0 1038.08606	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	0 1 1 1 1 0 1 0 1038.08606 1300.68994	0 1 1 1 0 1 0 1038.08606 1300.68994	> > > > > > > > > > > > > > > > > > >
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	0 1 1 1 1 0 1 0 1038.08606 1300.68994 7.79397392	0 1 1 1 0 1 0 1038.08606 1300.68994 7.79397392 ± 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	0 1 1 1 1 0 1 0 1038.08606 1300.68994	0 1 1 1 0 1 0 1038.08606 1300.68994	> > > > > > > > > > > > > > > > > > >

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓



Test Step 2.138 (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_Igc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.800003
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.600006 19.7000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25.5 10412
	3277
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 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 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	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	96.0999985
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_UIs_f32	0.99000001
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985
k_TravelXCDeadband_Uls_f32	30.1599998
k_TraveIXCHwAuthority_UIs_f32	0.180775002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984
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





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	-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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.020004		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810	2760420810	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.700012	456.700012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.09998	-1887.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997	142.199997 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1221.59705	1221.59705	~
VehDyn_MinOffset_HwDeg_M_f32	-593.049988	-593.049988	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19598508	3.19598508 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.99000001	0.99000001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.139 (Repeat 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	621.099976	
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
· - /	-5.900001 1199.14001 -753.840027





Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.059998		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.69995	-1482.69995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.19995	-1753.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998	-1900.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1216.02795	1216.02795	~
VehDyn_MinOffset_HwDeg_M_f32	-586.789978	-586.789978	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40019512	-5.40019512 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.750999987	0.750999987 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-193.789993	-193.789993 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.140 (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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886 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_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	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	78.0999985		
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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3796740682 935.099976		
VehDyn AutoCntrLoSpd M str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32 VehDyn AutoCntrLoSpd M str.ReiHwPosFilt1SV HwDeg str.K Uls f32	7.08000007e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Ry_Uls_f32	-1482.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.X_Uls_f32	0.000912000018		
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	1053.06201		
VehDyn_MinOffset_HwDeg_M_f32	-523.445984		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000459000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.731999993		
VehDyn_SLPHwPos_HwDeg_M_f32	-183.529999 0.75999999		
k_HiSpdVDAuthority_UIs_f32	1		
k_LoSpdVDAuthority_UIs_f32 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_Hw[Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hv	/Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hv	~ _	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut	,	
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_TorqueCmdCF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	_Kpn_ <u>r</u> 32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-580.530029		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1210.45898 -6.19999981		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-0.199999981		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.963989		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.8800011		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	i cou
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	164464918	164464918	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812	328928812	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88	1440.88 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.299988	753.299988 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	,
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
Valance Astronomerous Astronomerous Contractions	0	0	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988	-753.799988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.099976	935.099976 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	753.494995	753.494995	~
VehDyn_MinOffset_HwDeg_M_f32	-523.445984	-523.445984	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59364414	7.59364414 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1210.76392	1210.76404 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.5
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.25
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.5
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.88999979e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.89999962
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892861
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
ehDyn_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
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0

2014-09-19, 20:47:45+0530

Input Value



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 Igc	1		
	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc			
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_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046000001		
VehDyn_SLPHwAuth_Uls_M_f32	0.713		
VehDyn_SLPHwPos_HwDeg_M_f32	-173.270004		
k_HiSpdVDAuthority_UIs_f32	0.340000004		
k_LoSpdVDAuthority_UIs_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985		
k_TravelXCDeadband_Uls_f32	27.0699997		
k TravelXCHwAuthority Uls f32	0.184450001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984		
target_GetSystemTime_mS_u32_CurrentTime	309385728		
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR		
		· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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_		
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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	219286216	219286216	~
VehDyn AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn AutoCntrDetSpd M str.Timer2 mS u32	383750110	383750110	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006	-1200.56006 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988	456.799988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
		0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	U	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc		0	
	0		~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	· ·
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 1 309385728	0 1 309385728	· ·
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 0 1 309385728 4004004657	0 1 309385728 4004004657	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 1 309385728	0 1 309385728	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1058.05396	1058.05396	~
VehDyn_MinOffset_HwDeg_M_f32	1925.72998	1925.72998	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.49629378	1.49629378 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.713	0.713 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-173.270004	-173.270004 ± 0.1	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

ame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_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	4.0999999
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	53.099985
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_lgc	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	7.400001
ehDyn_AutoCntrHiSpd_M_str.CntrWindow HwDeg f32	85.5
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
ehDyn_AutoCntrHiSpd_M_str.Timer1THesh_mS_u16	58929
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
·	2760420810
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2600,30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0.00071599998
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_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	
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.5

2014-09-19, 20:47:45+0530



VehDyn_AutoCntrDetSpd_M_str. Timer2_mS_u32 2138628886 2138628886 VehDyn_AutoCntrDetSpd_M_str. RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 2600.13989 2600.13989 ± 0.009 VehDyn_AutoCntrDetSpd_M_str. RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1988.30005 1988.30005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str. Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str. Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str. Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str. Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str. Timer2_mS_u32 2553156835 2553156835 VehDyn_AutoCntrHiSpd_M_str. Timer2_mS_u32 2760420810 2760420810 VehDyn_AutoCntrHiSpd_M_str. RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 2600.30005 2800.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str. Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str. Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str. Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str. Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str. Filter2Initialized_Cnt_lgc 0 0	Name	Input Value		
VerDing Auto-Charlos M. str. Per Technol Cot 192 1	VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-		
Verolary Auto-Control Sept. M. or Price Fronting Cong. 195		0.00091599999		
NonPhysia, AutoCont.Oct.) 1, Fill Intelligency Col. 1	7 - 1 - 2 - 3 - 2 - 3	1		
Verbins Auctionication March International Cell pc		0		
Veloting Autocome Looks 1, set First Schmidters 0.1				
Vehicly_Institute_Off_Migs		1		
WHITPUT MARCHE MADE	7	1		
Victory Inspired Inspired Improve Inspired		0		
Victory Another Leidong M, 192		1		
Val.php. Institute Val.				
Verbpup, PartingsV, Mark XV, Usb. 52 Verbpup, PartingsV, Mark XV, Usb. 52 Verbpup, Starthward, Usb. M. 52 Verbpup, Starthward, W. 52 Verbpup, Werbpup, Werbpup, Werbpup, Starthward, Verbpup, Werbpup, Pert Verbinse, Starthward, Verbpup, Werbpup, Pert Verbinse, Starthward, Verbpup, Werbpup, Pert Verbinse, Starthward, Verbpup, Werbpup, W				
Verlags_Briefers_Harbog_M_22 Verlags_Sriefers_Main_Main_M_22 Verlags_Sriefers_Main_Main_M_22 Verlags_Sriefers_Main_Main_M_22 **Losep070Authority_Us_122 **Losep070Authority_Us_122 **Losep070Authority_Us_122 **Losep070Authority_Us_122 **StreetCO-Authority_Us_122 **Losep070Authority_Us_122 **Losep070Au				
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R. Spekinskie, Micheginkong, IDS Special Committee Special C				
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VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1199.32104 1199.32104 VehDyn_MinOffset_HwDeg_M_f32 -568.01001 -568.01001 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60240626 -1.60240626 ± 0.000009				~
VehDyn_MaxOffset_HwDeg_M_f32 1199.32104 1199.32104 VehDyn_MinOffset_HwDeg_M_f32 -568.01001 -568.01001 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60240626 -1.60240626 ± 0.000009				~
VehDyn_MinOffset_HwDeg_M_f32 -568.01001 -568.01001 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.60240626 -1.60240626 ± 0.000009		•		~
VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.60240626 -1.60240626 ± 0.000009				~
	,			~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 0.694000006 0.694000006 0.694000006 ± 0.004				~
	target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.694000006	0.694000006 ± 0.004	~





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-163.009995	-163.009995 ± 0.1	~

T			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

est Step 2.143 (Repeat Count = 1) ame	Innut Value
	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	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	86.599985
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
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584798
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1.
hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.80000019
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420810
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
hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427999999
hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.099998
hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006
hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.4099998
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
hDyn AutoCntrLoSpd M str.Timer1 mS u32	383750110
hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
hDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2000.30005
hDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.1399998e-005
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	1
hDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_HiSpdLearnt_Cnt_M_lgc	0
hDyn_nispot.eam_cm_migc hDyn_Initialize_Cnt_M_lgc	0
	0
ehDyn_LoSpdLearnt_Cnt_M_lgc	1068.03796
ehDyn_MaxOffset_HwDeg_M_f32	
ehDyn_MinOffset_HwDeg_M_f32	-503.394012
ehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002 0.000461999996





Name	Input Value		
VehDyn_SLPHwAuth_Uls_M_f32	0.675000012		
VehDyn_SLPHwPos_HwDeg_M_f32	-152.75		
k_HiSpdVDAuthority_UIs_f32	0.670000017		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985		
k_TravelXCDeadband_Uls_f32	25.0100002		
k_TravelXCHwAuthority_Uls_f32	0.186900005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832		
target_GetSystemTime_mS_u32_CurrentTime	2942063360		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwD		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hw	/Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut	, - -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHw	Pos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCR	RF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeed\		
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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995	-2500.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc	1	1	•
			•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0	1 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 0	1 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 0 0 2942063360	1 0 0 2942063360	,
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 0 0 2942063360 2967684784	1 0 0 2942063360 2967684784	,
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 0 0 2942063360 2967684784 -2400.5	1 0 0 2942063360 2967684784 -2400.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 0 0 2942063360 2967684784 -2400.5 -753.200012	1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -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 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1 0 0 2942063360 2967684784 -2400.5 -753.200012 0	1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 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	1 0 0 2942063360 2967684784 -2400.5 -753.200012 0	1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 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_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.Filter3_nitialized_Cnt_lgc	1 0 0 2942063360 2967684784 -2400.5 -753.200012 0 0	1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 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_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	1 0 0 2942063360 2967684784 -2400.5 -753.200012 0 0	1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3_nitialized_Cnt_lgc	1 0 0 2942063360 2967684784 -2400.5 -753.200012 0 0 1 2942063360	1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 0 1 2942063360	
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.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	1 0 0 2942063360 2967684784 -2400.5 -753.200012 0 0 1 2942063360 2160073393	1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 0 1 2942063360 2160073393	
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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 0 0 2942063360 2967684784 -2400.5 -753.200012 0 0 1 2942063360 2160073393 -2000.30005	1 0 0 2942063360 2967684784 -2400.5 ± 0.009 -753.200012 ± 0.0009 0 0 1 2942063360 2160073393 -2000.30005 ± 0.009	
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T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓



Test Step 2.144 (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_AutoCotrDetSpd_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
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	4.400001 63.2999992
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	-2400.19995
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_Uls_f32	0.000463000004
VehDyn_SLPHwAuth_Uls_M_f32	0.656000018
VehDyn_SLPHwPos_HwDeg_M_f32	-142.490005
k_HiSpdVDAuthority_UIs_f32	0.119999997
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	23.9799995
k TravalVCHwAuthority IIIa f22	0.188124999
k_TravelXCHwAuthority_UIs_f32	1050602964
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864 4243378688
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_DtrmnElapsedTime_mS_u32_ElapsedTime	





singer, Ref. Inst. Ap. Verbips with Part, Michard CRE, MirRadopS, 12 singer, Ref. Inst. Ap. Verbips with Part, Refished Labora, 122 singer, Ref. Inst. Ap. Verbips with Part, Refished Labora, 122 singer, Ref. Inst. Ap. Verbips with Part, Seminicises/authority, Us. 122 singer, Ref. Inst. Ap. Verbips with Part, Seminicises/authority, Us. 122 singer, Ref. Inst. Ap. Verbips with Part, Seminicises/authority, Us. 122 singer, Ref. Inst. Ap. Verbips with Part, Seminicises/authority, Us. 122 singer, Ref. Inst. Ap. Verbips with Part, Pert, Seminicises/authority, Us. 122 singer, Ref. Inst. Ap. Verbips with Part, Pert, Seminicises/authority, Us. 122 singer, Ref. Inst. Ap. Verbips with Part, Seminicises/authority, Us. 122 singer, Ref. Inst. Ap. Verbips with Part, Seminicises/authority, Us. 122 singer, Ref. Inst. Ap. Verbips with Part, Verbips with Part, Verbips with Part Verbips Ref. Inst. Ap. Verbips with Part Verbips Ref. Inst. Ap. Verbips	Name	Input Value		
target, Reland, Ap, VerbDyn VerbDyn, Perf. SensoriessAuthonity, Ulis (32) target, VerbDyn, Perf. VerbDyn, Perf. Verbospherovalle, Cnt. (go: target, VerbDyn, Perf. SensoriessAuthonity, Ulis (32) target, VerbDyn, Perf. SensoriessAuthonity, Ulis (32) Target, VerbDyn, Perf. Verbospherovalle, Cnt. (go: target, VerbDyn, Perf. (SensoriessAuthonity, Ulis (32)) Target, VerbDyn, Perf. SensoriessAuthonity, Ulis (32) Target, VerbDyn, Perf. (SensoriesSAuthonity, Ulis (32)) Target,	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target, Reb. Inst. Ap, VerDyn, Pert J. Senantresta Whoe, J. Monte, S. 2 target, Reb. Inst. Ap, VerDyn, VerDyn, Pert I. TorqueCondCRF. Minhm. 152 target, Reb. Inst. Ap, VerDyn, VerDyn, Pert I. VerbicleSpeed Valid, Cm. I. get target, Reb. Inst. Ap, VerDyn, VerDyn, Pert I. VerbicleSpeed Valid, Cm. I. get target, Reb. Inst. Ap, VerDyn, VerDyn, Pert I. VerbicleSpeed Valid, Cm. I. get target, VerDyn, Pert I. CowCo-II — Monte, J. St. Verbyn, Pert I. VerbicleSpeed Valid, Cm. I. get target, VerDyn, Pert I. CowCo-II — VerDyn, J. St. Verbyn, Pert I. VerbicleSpeed Valid, Cm. I. get target, VerDyn, Pert I. CowCo-II — Word, J. St. Verbyn, Pert I. VerbicleSpeed Valid, Cm. I. get target, VerDyn, Pert I. CowCo-II — Word, J. St. Verbyn, Pert I. VerbicleSpeed Valid, Cm. I. get target, VerDyn, Pert I. More Verbyn, Pert I. More Verbyn, Pert I. More Verbyn, Pert I. VerbicleSpeed Valid, Cm. I. get value 1.753.640015 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg f32		
Isage Rel. Inst. Ap. VeriDyn VeriDyn Pert TorqueCndGRF_Mirkm, 32 target VeriDyn Pert TorqueCndGRF_Mirkm, 32 target VeriDyn Pert VerindeSpeed Valid_Cnt. Getage VeriDyn Pert VerindeSpeed VeriDyn VeriDyn VerindeSpeed VeriDyn	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target. Rel. Inst. Ap. VehDyn. VehDyn. Pert. VehicleSpeed Kph. 132 target. VehDyn. Pert. CowEOT_HVORD_R SZ value target. VehDyn. Pert. CowEOT_HVORD_R SZ value target. VehDyn. Pert. LOwEOT_HVORD_R SZ value target. VehDyn. Pert. LOwEOT_HVORD_R SZ value target. VehDyn. Pert. LowEOT_HVORD_R SZ value target. VehDyn. Pert. More Verbor. Microbia Speed Kph. 132 759 1487 1887 1888 1828 759 1487 1887 1888 1828 1489 1887 1888 1828 1490 1887 1888 1889	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target. Rel. Inst. Ap. VehDyn. VehDyn. Pert. VehicleSpeed Kph. 132 target. VehDyn. Pert. CowEOT_HVORD_R SZ value target. VehDyn. Pert. CowEOT_HVORD_R SZ value target. VehDyn. Pert. LOwEOT_HVORD_R SZ value target. VehDyn. Pert. LOwEOT_HVORD_R SZ value target. VehDyn. Pert. LowEOT_HVORD_R SZ value target. VehDyn. Pert. More Verbor. Microbia Speed Kph. 132 759 1487 1887 1888 1828 759 1487 1887 1888 1828 1489 1887 1888 1828 1490 1887 1888 1889	target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF Mtr	Nm f32	
larger_Line_Line_Low_VerDipm_Pert_VerMickSpeed_Kipt_622 straget_VerDipm_Pert_CowEOT_Hurbeg_E22 value 188. 18298 189. 18298 188. 18298 189. 18298 189. 18298 189. 18298 189. 18298 18	target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid C	Cnt Igc	
target_VehDyn_Pert_CwEOT_HwDeg_152_value				
target_VehDyn_Per1_Hw10roque_HwMm_g3z_value				
larget_VehDyn_Pert_ReltwPro_Hvhoe_E_Zvalue	target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1188.18298		
target_VehDyn_Pert_TorqueCmdGRF_MINn_S2x_alue	target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.4000001		
target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32.value 0.599999999	target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-759		
target_VehDyn_Per1_VehicleSpeedYalid_Cnt_lgc.value	target VehDyn Per1 RelHwPos HwDeg f32.value	-753.640015		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value	target VehDyn Per1 TorqueCmdCRF MtrNm f32.value	4.5999999		
larget_VehiDyn_Pert_VehicleSpeed_Kph_[32.value Actual Value Expected Value Result VehDyn_AutoChtr_Cnt_M_lgc 1 1 1 1 VehDyn_AutoChtrDetSpd_M_str.Timer1_mS_u32 328928812 328928812 328928812 √eVehDyn_AutoChtrDetSpd_M_str.Timer1_mS_u32 1024 1024 1024 √eVehDyn_AutoChtrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_[32] -1988.09998 -1988.09998 ± 0.009 ✓eVehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] -1438.30005 -1438.30005 ± 0.009 ✓eVehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] -1438.30005 -1438.30005 ± 0.009 ✓eVehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] 0 0 0 ✓eVehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] 1 1 1 ✓eVehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] 3796740882 3796740882 3796740882 ✓eVehDyn_AutoChtrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] -2400.19995 -2400.19995 ± 0.009 ✓eVehDyn_AutoChtrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] -2400.19995 -2400.19995 ± 0.009 ✓eVehDyn_AutoChtrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] -2400.19995 -2400.19995 ± 0.009 ✓eVehDyn_AutoChtrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_[32] -2400.19995 ± 0.009		0		
Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 ✓ VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 328928812 328928812 328928812 ✓ VehDyn_AutoCntrDelSpd_M_str.FilleryEngs_u32 1024 1024 1024 ✓ VehDyn_AutoCntrDelSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_Uls_f32 -1988.09998 + 0.009 ✓ ✓ VehDyn_AutoCntrDelSpd_M_str.FilleryEngble_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDelSpd_M_str.FilleryEngble_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDelSpd_M_str.FilleryEngble_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDelSpd_M_str.FilleryEngble_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.FilleryEngble_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.FilleryEngble_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.FilleryEngble_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.FilleryEngble_Cnt_lgc 1 1		489.024994		
VehDyn_AutoCntrDeISpd_M_str.Timer1_mS_u32 328828812 328928812 ✓ VehDyn_AutoCntrDeISpd_M_str.Timer2_mS_u32 1024 1024 ✓ VehDyn_AutoCntrDeISpd_M_str.Reli+wPosFitISV_HwDeg_str.SV_Uis_f32 -1988.09998 -1988.09998 ± 0.009 ✓ VehDyn_AutoCntrDeISpd_M_str.Reli+wPosFitISV_HwDeg_str.SV_Uis_f32 -1438.30005 -1438.30005 ± 0.009 ✓ VehDyn_AutoCntrDeISpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 0 VehDyn_AutoCntrDeISpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 4 VehDyn_AutoCntrHiSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 1 4 VehDyn_AutoCntrHiSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 1 4 VehDyn_AutoCntrHiSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 1 4 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 9 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 9 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 4 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc		Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M str.Timer1_mS_u32 328928812 328928812 1024 1024 1024 VehDyn_AutoCntrDetSpd_M str.Timer2_mS_u32 1024 1024 1024 VehDyn_AutoCntrDetSpd_M str.RielHwPosFittSV_HwDeg_str.SV_UIs_f32 11988.09998 -1988.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M str.RielHwPosFittSV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrDetSpd_M str.Fitter1Enable_Cnt_Ige 0 0 0 VehDyn_AutoCntrDetSpd_M str.Fitter1Enable_Cnt_Ige 1 1 1 VehDyn_AutoCntrDetSpd_M str.Fitter2Initialized_Cnt_Ige 3796740682 3796740682 3796740682 VehDyn_AutoCntrHiSpd_M str.Fitter1Enable_Cnt_Ige 2400.19995 -2400.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M str.Fitter1Enable_Cnt_Ige 0 0 0 VehDyn_AutoCntrHiSpd_M str.Fitter1Enable_Cnt_Ige 0 0 0 VehDyn_AutoCntrHiSpd_M str.Fitter1Enable_Cnt_Ige 1 1 1 VehDyn_AutoCntrHiSpd_M str.Fitter1Initialized_Cnt_Ige 0 0 0 0 <td></td> <td></td> <td>· ·</td> <td>~</td>			· ·	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 1024 1024 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -1988.09998 -1988.09998 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Fitter2Enable_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 1988.30005 1988.30005 1988.30005 1988.30005 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrLiSpd_M_str.Fitter1Initialized_Cnt_lgc 1 1 1 ✓				~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 -1988.09998 -1988.09998 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 -1438.30005 -1438.30005 ± 0.009 ✓ VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter2=ms_u32 4243378688 4243378688 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter2=ms_u32 3796740682 3796740682 3796740682 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 1 ✓ VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 0 ✓ VehDy	, _		1 11 11	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitI2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 3796740882 3796740882 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1988.30005 -1988.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -2400.19995 -2400.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1078320779 1078320779 VehDyn_AutoCntrLoSpd_M_str.Filter2Initi			1	~
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VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 1078320779 1078320779 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -753.5 -753.5 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1988.19995 1988.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994		· ·		-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitl1SV_HwDeg_str.SV_Uls_f32 -753.5 -753.5 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitl2SV_HwDeg_str.SV_Uls_f32 1988.19995 1988.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Fitler1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitler2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitler2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 1988.19995 1988.19995 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994				-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994		1111		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 ✓ VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994 ✓				-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 ✓ VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994 ✓				
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994			1	-
VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 ✓ VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 ✓ VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994 ✓	, - ,			
VehDyn_Initialize_Cnt_M_lgc 1 1 ✓ VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 ✓ VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 ✓ VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994 ✓				-
VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994				
VehDyn_MaxOffset_HwDeg_M_f32 1073.03003 1073.03003 VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994				-
VehDyn_MinOffset_HwDeg_M_f32 198.150024 198.149994			1.	
				-
target VehDyn Per1 SensorlessAuthority Uls f32.value 0.119999997 0.119999997 ± 0.004 ✓				-
target VehDyn Per1 SensorlessHwPos HwDeg f32.value 1600 1600 ± 0.1	V =			_

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.145 (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	

2014-09-19, 20:47:45+0530



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_f32 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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005	2800.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005	1900.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-717.385986	-717.385986	✓
VehDyn_MinOffset_HwDeg_M_f32	-490.026001	-490.026001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7880936	17.7880936 ± 0.00009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1443.80005	1443.80005 ± 0.1	~

T →				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.146 (Repeat 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	497.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	123.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000387999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.60000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5

2014-09-19, 20:47:45+0530



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Name VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	Input Value 20423		
VehDyn_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	-1438.35999		
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983		
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995		
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000440000003		
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
/ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.3000031		
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2999992		
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002		
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2999992		
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190		
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186		
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892861		
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024		
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1900.5 7.20000025e-005		
, = = = = = = = = = = = = = = = = = = =	7.20000025e-005 753.599976		
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993		
/enDyn_AutoCntrLoSpd_M_str.ReiHwPosFittzSV_HwDeg_str.K_Uis_132 /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000923999993		
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
/ehDyn_HiSpdLearnt_Cnt_M_lgc	0		
/ehDyn Initialize Cnt M Igc	0		
/ehDyn_LoSpdLearnt_Cnt_M_lgc	0		
/ehDyn_MaxOffset_HwDeg_M_f32	1083.01404		
/ehDyn_MinOffset_HwDeg_M_f32	-483.34201		
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	-7		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.00046499999		
/ehDyn_SLPHwAuth_Uls_M_f32	0.617999971		
/ehDyn_SLPHwPos_HwDeg_M_f32	-121.970001		
C_HiSpdVDAuthority_Uls_f32	0.779999971		
c_LoSpdVDAuthority_Uls_f32	0		
x_SysKinRatio_MtrDegpHwDeg_f32	10.1000004		
C_TravelXCDeadband_Uls_f32	21.9200001		
C_TraveIXCHwAuthority_UIs_f32	0.190575004		
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
arget_GetSystemTime_mS_u32_CurrentTime	1736795392		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwD		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hwl		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_I		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hwl		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32	target_VehDyn_Per1_SensorlessAuth		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwF target_VehDyn_Per1_TorqueCmdCR		
arget_Rte_Inst_Ap_venDyn.venDyn_Fer1_TorqueCindCRF_MithIn_i32 arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedV		
arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed		
arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-542.969971	κρι_ισ2	
arget_VehDyn_Per1_CowEOT_HwDeg_f32.value	1177.04504		
arget VehDyn Per1 HwTorque HwNm f32.value	-8		
arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100		
arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.52002		
arget VehDyn Per1 TorqueCmdCRF MtrNm f32.value	4.9000001		
arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.100006		
Name	Actual Value	Expected Value	Res
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	IXes
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.09998	-1438.09998 ± 0.009	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
>	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lac	1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.35999	-1438.35999 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995	-2500.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.599976	753.599976 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1177.04504	1177.04504	~
VehDyn_MinOffset_HwDeg_M_f32	-542.969971	-542.969971	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00023937	-7.00023937 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.617999971	0.617999971 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-121.970001	-121.970001 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te Inst Ap VehDyn	target Rte Inst Ap VehDyn
'ehDyn AllowHiSpdAutoCntr Cnt M Igc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	31.3600006
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	125.300003
ehDyn_AutoCntrDetSpd_M_str.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

2014-09-19, 20:47:45+0530



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		
	-1988.30005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	0.000926000008		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32			
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1088.00598		
VehDyn_MinOffset_HwDeg_M_f32	-476.65799		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000465999998		
VehDyn_SLPHwAuth_Uls_M_f32	0.598999977		
VehDyn_SLPHwPos_HwDeg_M_f32	-111.709999		
k_HiSpdVDAuthority_Uls_f32	0.233999997		
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004		
k TravelXCDeadband Uls f32	20.8899994		
k TravelXCHwAuthority Uls f32	0.191799998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776		
target GetSystemTime mS u32 CurrentTime	3437401088		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
		_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-536.710022		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1171.47595		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.30000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.740005		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861	2345892861	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708	3589476708	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	0	0 ± 0.000009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476708	3589476708	
			-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.200012	753.200012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.19995	2600.19995 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	~

2014-09-19, 20:47:45+0530





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	-
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	1171.47595	1171.47595	~
VehDyn_MinOffset_HwDeg_M_f32	-536.710022	-536.710022	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29330063	6.29330015 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.233999997	0.233999997 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.148 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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.FiltPinTrq_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 lgc	1
/ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
/ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.400002
/ehDyn AutoCntrHiSpd M str.VehSpd kph f32	42.7999992
/ehDyn AutoCntrHiSpd M str.FiltPinTrg 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_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	126.5
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.5
, _ , _ , _ , _ , _ ,	2.5
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	75.5
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810
/ehDyn_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	7.23999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	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	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1092.99805		
VehDyn_MinOffset_HwDeg_M_f32	-469.973999		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000467000005		
VehDyn_SLPHwAuth_Uls_M_f32	0.579999983		
VehDyn_SLPHwPos_HwDeg_M_f32	-101.449997		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985		
k_TravelXCDeadband_Uls_f32	19.8600006		
k_TraveIXCHwAuthority_UIs_f32	0.193024993		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816		
target_GetSystemTime_mS_u32_CurrentTime	3494315776 target VehDyn Per1 CcwEOT HwDe	og f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDe	· -	
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_Hwl	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_I		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos Hwl	· -	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuth	·-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCR	F_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedV	alid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0 489		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Kesuit
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	_
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2000100000	2000100000	
VOIDVII AULUCIIIDEIODU IVI SII.IIIIEIZ IIIO UOZ	3796740682	3796740682	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	3796740682 -1988.5	3796740682 -1988.5 ± 0.009	
			•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.5	-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 1440.88	-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 1440.88 1	-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 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	-1988.5 1440.88 1	-1988.5 ± 0.009 1440.88 ± 0.009 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.Filter1Initialized_Cnt_lgc	-1988.5 1440.88 1 1	-1988.5 ± 0.009 1440.88 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-1988.5 1440.88 1 1 1 0 3494315776 3796740682	-1988.5 ± 0.009 1440.88 ± 0.009 1 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 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5	-1988.5 ± 0.009 1440.88 ± 0.009 1 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 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001	-1988.5 ± 0.009 1440.88 ± 0.009 1 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 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001	-1988.5 ± 0.009 1440.88 ± 0.009 1 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.RelHwPosFilt1SV_HwDeg_str.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	-1988.5 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0	-1988.5 ± 0.009 1440.88 ± 0.009 1 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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	-1988.5 1440.88 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0	-1988.5 ± 0.009 1440.88 ± 0.009 1 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.5 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0 0	-1988.5 ± 0.009 1440.88 ± 0.009 1 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.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.Filter2Initialized_Cnt_lgc	-1988.5 1440.88 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0 0 1 3494315776	-1988.5 ± 0.009 1440.88 ± 0.009 1 1 1 1 0 3494315776 3796740682 -1988.5 ± 0.009 -2400.1001 ± 0.009 0 0 1 3494315776	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.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.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	-1988.5 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0 0 1 3494315776 1078320779 -753.5 1988.40002 0 1 1 1 1 0 1	-1988.5 ± 0.009 1440.88 ± 0.009 1 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 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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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	-1988.5 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0 0 1 3494315776 1078320779 -753.5 1988.40002 0 1 1 1 0 1 0 1	-1988.5 ± 0.009 1440.88 ± 0.009 1 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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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	-1988.5 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0 0 1 3494315776 1078320779 -753.5 1988.40002 0 1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	-1988.5 ± 0.009 1440.88 ± 0.009 1 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 1 0 1 0 1092.99805	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1988.5 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0 0 1 3494315776 1078320779 -753.5 1988.40002 0 1 1 1 0 10 10 10 10 10 2.99805 223.369995	-1988.5 ± 0.009 1440.88 ± 0.009 1 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 0 1092.99805 223.369995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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	-1988.5 1440.88 1 1 1 1 0 3494315776 3796740682 -1988.5 -2400.1001 0 0 1 3494315776 1078320779 -753.5 1988.40002 0 1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	-1988.5 ± 0.009 1440.88 ± 0.009 1 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 1 0 1 0 1092.99805	



T			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 2.149 (Repeat Count = 1) ame	Input Value
	·
trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime mS u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime
te Inst Ap VehDyn	
,	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	604.5
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32	124.5 8.5
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5
, - ,	40437
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	52716
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810
· - · ·	54822322
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	1988.40002 0.000391000009
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	-1200.56006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
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	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.5999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.9000015
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_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	124.699997
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.6999969
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.6999969
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrLoSpd_M_str.Timer2_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.SV_Uls_f32	1991.30005
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092999998
ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_HiSpdLearnt_Cnt_M_lgc	1
hDyn_Initialize_Cnt_M_lgc	1
ehDyn_LoSpdLearnt_Cnt_M_lgc	1
ehDyn_MaxOffset_HwDeg_M_f32	1097.98999
ehDyn_MinOffset_HwDeg_M_f32	-463.290009





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	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNi	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M	trRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho	rity_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo	s_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_	_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVal	lid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K	ph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-524.190002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1160.33801		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.89999962		
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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	· ·
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816	463842816	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002	1988.40002 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1200.56006 0	-1200.56006 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	3796740682	<u> </u>
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4004004657	4004004657	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.59998	1988.59998 ± 0.009	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.1001	2800.1001 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2138628886	2138628886	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	•	0	✓
venDyn_AutoChtrLoSpd_M_str.Filter Hilltalized_Cht_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
		0 1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	0 1	1	-
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc	0 1 1	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 1	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 1 704.067993	1 1 1 704.067993	• • • • • • • • • • • • • • • • • • •
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 1 704.067993 -463.290009	1 1 1 704.067993 -463.290009	· · · · · · · · · · · · · · · · · · ·

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•





Test Step 2.150 (Repeat Count = 1)	In the Average of the
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	84.199969
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_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	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 lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.700012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
VehDyn AutoCntrLoSpd M str.FiltPinTrg 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.Timer1Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759
VehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5
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VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_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_UIs_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468999991
VehDyn_SLPHwAuth_Uls_M_f32	0.541999996
VehDyn_SLPHwPos_HwDeg_M_f32	-80.9300003
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	54.5
k_TravelXCDeadband_Uls_f32	17.7999992
k_TravelXCHwAuthority_Uls_f32	0.195474997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408
target_GetSystemTime_mS_u32_CurrentTime	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_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_l	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	rNm_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		
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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2967684784	2967684784	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5	-1988.5 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc	1	1	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_otr.Filter1Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	1759885568	1759885568	·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrHiSpd_M_str.Filter1Initialized Cnt_lgc	0	0	•
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	1759885568	1759885568	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2345892861	2345892861	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	
	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	1	1	
	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_Initialize_Cnt_M_lgc	•	•	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	· ·
VehDyn_MaxOffset_HwDeg_M_f32	1154.76904	1154.76904	-
VehDyn_MinOffset_HwDeg_M_f32	-517.929993	-517.929993	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40177107	-5.40177107 ± 0.000009	V
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.541999996	0.541999996 ± 0.004	V
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-80.9300003	-80.9300003 ± 0.1	~

Τ				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.151 (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	

2014-09-19, 20:47:45+0530



Name	Input Value
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	-2400.3999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000392999995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998
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_Igc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566 75.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	97.8000031
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 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
	0.000734000001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976
	0.00046000001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0.00046000001 1
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_igc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	566.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.6999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.6999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.7000008
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.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.30000029e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000934000011
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	1
VehDyn HiSpdLearnt Cnt M Igc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn MaxOffset HwDeg M f32	1107.974
VehDyn MinOffset HwDeg M f32	-449.921997
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000469999999
VehDyn_SLPHwAuth_Uls_M_f32	0.523000002
VehDyn_SLPHwPos_HwDeg_M_f32	-70.6699982
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	16.7700005
k_TravelXCHwAuthority_UIs_f32	0.196700007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
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	
· · · · · · · · · · · · · · · · · · ·	-511.670013
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-511.670013 1149.19995
· · · · · · · · · · · · · · · · · · ·	





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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	3174948759	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998	1988.59998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005	-2400.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005	2600.80005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.30005	2800.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1149.19995	1149.19995	✓
VehDyn_MinOffset_HwDeg_M_f32	-511.670013	-511.670013	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59202671	7.59202719 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.523000002	0.523000002 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-70.6699982	-70.6699982 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.152 (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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VehDyn_Per1



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 4004004657		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 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_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.899994		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019 86.8000031		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 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		
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 -443.238007		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007		
VehDyn_SLPHwAuth_Uls_M_f32	0.504000008		
VehDyn_SLPHwPos_HwDeg_M_f32	-60.4099998		
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		
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		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNr target_VehDyn_Per1_MotorVelCRF_Mi	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVal	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K	ph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-505.410004		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1143.63098		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2500.04004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.410004	France of a d Martin	
Name Veh Dun Alleud I Cod Auto Cots Cot M. Ire	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4243378688 3174948759	4243378688 3174948759	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5	-1988.5 ± 0.009	
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1112.96594	1112.96594	~
VehDyn_MinOffset_HwDeg_M_f32	1994.63	1994.63	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40206099	-5.40206099 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.504000008	0.504000008 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-60.4099998	-60.4099998 ± 0.1	~

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_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	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

2014-09-19, 20:47:45+0530



Name	Input Value		
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_Uls_f32	-2400.80005		
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.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	1117.95801		
VehDyn MinOffset HwDeg M f32	-436.553986		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472000014		
VehDyn_SLPHwAuth_Uls_M_f32	0.485000014		
VehDyn_SLPHwPos_HwDeg_M_f32	-50.1500015		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	63.5		
k_TravelXCDeadband_Uls_f32	14.71		
k_TravelXCHwAuthority_Uls_f32	0.199149996		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688		
target_GetSystemTime_mS_u32_CurrentTime	2127166208		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAuthority_		
		_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	
VehDyn_AllownispdAutoCntt_Cnt_im_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	
, _ ,			
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999	2800.3999 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.59998	1991.59998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc			~
VehDyn_AutoCatrl oSpd_M_str.Timer1_mS_u32	2127166208	2127166208	Ž
VehDyn_AutoCatrl oSad M. etc. Rell https://link.com.etc.SV/ Llle 633	2760420810	2760420810	-
	2400 00005	2400 00005 + 0 000	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.80005 -1438.30005	-2400.80005 ± 0.009 -1438.30005 ± 0.009	V





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1117.95801	1117.95801	✓
VehDyn_MinOffset_HwDeg_M_f32	1900.92004	1900.92004	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49718106	1.49718106 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.485000014	0.485000014 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-50.1500015	-50.1500015 ± 0.1	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	0
/ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	457.100006
/ehDyn AutoCntrDetSpd M str.VehSpd kph f32	34.0999985
'ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	12.1000004
/ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	88.099985
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	20423
/ehDyn AutoCntrDetSpd M str.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.SV_0is_id2	0.000395999989
/ehDyn_AutoChtrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Cols_lo2	-2400.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Gls_G2	0.00093999998
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoChtrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoChtrBetspd_W_str.Pilter2ffilialized_Cht_lgc /ehDyn_AutoChtrBiSpd_M_str.MtrVel_MtrRadpS_f32	10,199998
	45
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	
/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	0.00073999989
/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.FiltPinTrq_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.K_Uls_f32	7.36000002e-005

2014-09-19, 20:47:45+0530



VehDyn_AutoCntrDetSpd_M_str.Timerz_mS_u32 274107514 274107514 274107514 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -1482 -1482 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -2400.5 -2400.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 48822322 54822322 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLiSpd_M_str.Filter2Enable_Cnt_lgc	Name	Input Value		
VanDrum Auschessen M. or Finer Federal 2017 Nodes and St. U. 18. 22	VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1950.59998		
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Verby_Landcont.com_CAL_Mpc				
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VerDiny Institute Off, M. Jos VerDiny MacRoter, Horbog, M. ID2				
Ventropy Machinery Medical		0		
1722 MARGE Verblys, Michael Landing, M. 173		1		
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VerbOyn, DEPHANDU, M. M. 122 0.000772099939 VerbOyn, SEPHANDU, M. 102 -38.8999941 VerbOyn, SEPHANDU, M. 102 -38.8999941 J. K. JospforMannolly, Ulu, 152 1 J. K. JospforMannolly, Ulu, 152 1 J. Trans-ECCHARMUND, Ulu, 152 1 J. Trans-ECCHARMUND, Ulu, 152 1 J. Trans-ECCHARMUND, Ulu, 152 0.00075000 J. Trans-ECCHARMUND, Ulu, 152 1 J. Trans-ECCHARMUND, Ulu, 152 1 J. Trans-ECCHARMUND, Ulu, 152 1 Langer, Gestylement, B. J. 102 1 Langer, Gestylement, B. J. 102 1 Langer, Gestylement, B. J. 102 1 Langer, R. 102 1 Langer, Wellow, P. 102 1 Langer, Wellow, P. 102 1 Langer, M. 102 1 Langer				
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target_Reb_Inst_Ap_VehDyn_NerDyn_Pert_VehicleSpeedXplat_Cnt_lgc target_VehDyn_Pert_CoxFOT_Hobbet_RS2 value target_VehDyn_Pert_CoxFOT_Hobbet_RS2 value target_VehDyn_Pert_CoxFOT_Hobbet_RS2 value target_VehDyn_Pert_CoxFOT_Hobbet_RS2 value target_VehDyn_Pert_Mortor_Hobbet_RS2 value target_VehDyn_Pert_Mortor_Hobbet_RS2 value target_VehDyn_Pert_Mortor_Hobbet_RS2 value target_VehDyn_Pert_Mortor_Hobbet_RS2 value target_VehDyn_Pert_Mortor_Hobbet_RS2 value target_VehDyn_Pert_Mehidros_Hobbet_RS2 value target_VehDyn_Pert_Mehidros_Hobbet_RS2 value target_VehDyn_Pert_Nehidros_Hobbet_RS2 value target_VehDyn_Pert_Tert_Rehidros_Hobbet_RS2 value target_VehDyn_Pert_VehicleSpeed_KSp_1732 value target_VehDyn_Pert_VehicleSpeed_KSp_1732 value target_VehDyn_Pert_VehicleSpeed_KSp_1732 value target_VehDyn_Nober_Tort_Mulgc 445 **Name** **Actual Value** **Actual Value** **Actual Value** **VehDyn_AutoChiroleSpd_M_str_Timert_mS_us2 **245 **Name** **Nam				
target_VehDyn_Pert_CoutEOT_HWDeg_G2_value target_VehDyn_Pert_CoutEOT_HWDeg_G2_value target_VehDyn_Pert_CoutEOT_HWDeg_G2_value target_VehDyn_Pert_CoutEOT_HWDeg_G2_value target_VehDyn_Pert_MotorVecEOF_MRadp6_g2_value target_VehDyn_Pert_MotorVecEOF_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_TwotherWost_MRadp6_g2_value target_VehDyn_Pert_VehDeg_gedValud_Ort_Ig_value target_VehDyn_AllowHSpdAutOcntr_Cort_M_igc VehDyn_AllowHSpdAutOcntr_Cort_M_igc VehDyn_AllowHSpdAutOcntr_Cort_M_igc VehDyn_AutOcntrDeSpd_M_str_Timert_mS_u32 2443378688 42430786 424005 424005 424005 424005 424005 424005 424005 424005 42			_	
target_VehDyn_Pert_CwEOT_HWDeg_132 value 492.890015 target_VehDyn_Pert_More_TLWTGrup_HWNm_162 value 1132.49304 target_VehDyn_Pert_More/WECFs_MtMRadps_132 value 1199 target_VehDyn_Pert_MellwGes_MtWRadps_132 value 2000.00006 target_VehDyn_Pert_TRellwGes_MtWRadps_132 value 4,900.00001 target_VehDyn_Pert_VehlodsSpeed/vall_Cnt_lgc value 4,900.00001 target_VehDyn_Pert_VehlodsSpeed/Speed_S				
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larget_VehDyn_Pert_MotorVelCRF_MtrRadpS_G2.value 1199				
larget_VehDyn_Pert_TorqueCndCRF_MthYn_f32.value				
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Name Actual Value Expected Value Rest VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4243378688 4243378688 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 274107514 274107514 VehDyn_AutoCntrDetSpd_M_str.RetHwPosFit15V_HwDeg_str.SV_Uis_f32 -1482 -1482 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RetHwPosFit15V_HwDeg_str.SV_Uis_f32 -2400.5 -2400.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt.lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Inialized_Cnt.lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Inialized_Cnt.lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Inialized_Cnt.lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Inialized_Cnt.lgc 1024 1024 VehDyn_AutoCntrHiSpd_M_str.Filter1Inialized_Cnt.lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Inialized_Cnt.lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt.lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt.lg				
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VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1438.5 -1438.5 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1988.30005 1988.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1988.30005 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 2800.5 2800.5 + 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_HispdLeamt_Cnt_M_lgc 1				
VehDyn_AutoCnttrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1438.5 -1438.5 ± 0.009 VehDyn_AutoCnttrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1988.30005 1988.30005 ± 0.009 VehDyn_AutoCnttrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCnttrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCnttrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32				~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1988.30005 1988.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HispdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc				Y
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 492.890015 492.890015 VehDy	, – , – – – – – – – – – – – – – – – – –			-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_PinTrqSV_M_str.Sv_Uls_f32 -1.60021544 -1.60021544 ± 0.000009<				~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -160021544 -160021544 ± 0.000009 <td></td> <td></td> <td></td> <td>~</td>				~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.60021544 -1.60021544				~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3796740682 3796740682 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Fitter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				_
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AispdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009			· ·	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 2800.5 2800.5 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1950.59998 1950.59998 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009			2967684784	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				~
VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				-
VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				~
VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -1.60021544 -1.60021544 ± 0.000009				~
VehDyn_MaxOffset_HwDeg_M_f32 1132.49304 1132.49304 VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.60021544 -1.60021544 ± 0.000009				~
VehDyn_MinOffset_HwDeg_M_f32 -492.890015 -492.890015 VehDyn_PinTrqSV_M_str.SV_UIs_f32 -1.60021544 -1.60021544 ± 0.000009				~
$VehDyn_PinTrqSV_M_str.SV_Uls_f32 \\ -1.60021544 \\ -1.6002154 \\ -1.60025$			1132.49304	~
	, – – – –			~
target VehDyn Per1 SensorlessAuthority Uls f32, value 0.465999991 0.465999991 0.465999991 0.465999991				~
	target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.465999991	0.465999991 ± 0.004	~





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-39.8899994	-39.8899994 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.155 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.39999962
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.3999996
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000396999996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.6001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.06999969
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	12.3999996
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	32821
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	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 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	56.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.099998
VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	4004004657
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.80005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.38000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VenDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
7 - 7 - 2	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	1 1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	-
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1127.94202
VehDyn_MinOffset_HwDeg_M_f32	-423.186005
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000474





Input Value		
0.446999997		
-29.6299992		
1		
0		
96.0999985		
12.6499996		
0.2016		
3039943680		
1050692864		
	2	
target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_VehDyn_Per1_SensorlessHwPos_H	wDeg_f32	
target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
	32	
-486.630005		
1126.92395		
5		
-1299.41003		
-1438.06995		
-1.89999998		
0		
387.73999		
A . 137.1	_ , ,,,,,	
Actual Value	Expected Value	Result
1	1	~
1 255468	1 255468	Result
1	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1 255468 328928812 -753.400024	1 255468	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1 1 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1 1 0 1050692864 4290967295 1950.19995	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1 1 0 1050692864 4290967295 1950.19995	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 1991.40002 ± 0.009	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 1991.40002 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 1991.40002 ± 0.009 0 0	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 1991.40002 ± 0.009 0 0 1	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0 0 1 1 1050692864	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 1991.40002 ± 0.009 0 0 1 11050692864	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1995.19995 1991.40002 0 0 0 1 1 1050692864 3174948759	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 1991.40002 ± 0.009 0 0 1 1050692864 3174948759	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1991.40002 0 0 1 1050692864 3174948759 -1438.80005	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 1991.40002 ± 0.009 0 0 1 1050692864 3174948759 -1438.80005 ± 0.009	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1995.19995 1991.40002 0 0 1 1050692864 3174948759 -1438.80005 1885.80005	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 0 1 11050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1995.19995 1991.40002 0 0 1 1050692864 3174948759 -1438.80005 1885.80005 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 0 1 1050692864 3174948759 -1438.80005 ± 0.009 0 1885.80005 ± 0.009	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1991.40002 0 0 1 1050692864 3174948759 -1438.80005 1885.80005 0 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1991.40002 0 0 1 1050692864 3174948759 -1438.80005 0 1 1 1 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 1 1050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1	
1 255468 328928812 -753.400024 2800.6001 1 1 1 0 1050692864 4290967295 1991.40002 0 0 1 1050692864 3174948759 -1438.80005 1885.80005 0 1 1 1 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 1 11050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1	
1 255468 328928812 -753.400024 2800.6001 1 1 1 1 0 1050692864 4290967295 1991.40002 0 0 1 1050692864 3174948759 -1438.80005 1885.80005 0 1 1 1 1 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 1 11050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 1 0	
1 255468 328928812 -753.400024 2800.6001 1 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0 1 1 1050692864 3174948759 -1438.80005 1885.80005 0 1 1 1 1 0 1 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 1 11050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 0 1 1 1 0 1	
1 255468 328928812 -753.400024 2800.6001 1 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0 1 1 1050692864 3174948759 -1438.80005 1885.80005 0 1 1 1 0 1 0 1	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 1 11050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 0 1 0 1 1 0 1	
1 255468 328928812 -753.400024 2800.6001 1 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0 1 1 1050692864 3174948759 -1438.80005 1885.80005 0 1 1 1 0 11 0 11 0 11 0 11	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 1 11050692864 3174948759 -1438.80005 ± 0.009 1885.80005 ± 0.009 0 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1	
1 255468 328928812 -753.400024 2800.6001 1 1 1 1 0 1050692864 4290967295 1950.19995 1991.40002 0 0 0 1 1 1050692864 3174948759 -1438.80005 1885.80005 0 1 1 1 0 11 0 11 0 11 0 11 0 11 0	1 255468 328928812 -753.400024 ± 0.0009 2800.6001 ± 0.009 1 1 1 0 1050692864 4290967295 1950.19995 ± 0.009 0 0 1 11050692864 3174948759 -1438.80005 ± 0.009 1 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 0 1 0 1 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 1 0 1	
	0.446999997 -29.6299992 1 0 96.0999985 12.6499996 0.2016 3039943680 1050692864 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_MotorVelCRF_MtrRactarget_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_target_VehDyn_Per1_SensorlessAuthority_target_VehDyn_Per1_VehicleSpeed_Kph_f3 target_VehDyn_Per1_VehicleSpeed_Kph_f3 -486.630005 1126.92395 5 -1299.41003 -1438.06995 -1.89999998 0 387.73999	0.446999997 -29.6299992 1 0 96.0999985 12.6499996 0.2016 3039943680 1050692864 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 -486.630005 1126.92395 5 -1299.41003 -1438.06995 -1.89999998 0 387.73999

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	✓



Test Step 2.156 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.47000003
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	36612
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2967684784
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.600006
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_AutoChtrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
, = , = = = = = = = = = = = = = = = = =	0.000344000025
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	86.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	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	1885.25
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-2000.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.199969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.40000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.600006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_LoSpaceami_Chi_M_igc VehDyn_MaxOffset_HwDeg_M_f32	1132.93396
·	-416.502014
VehDyn_MinOffset_HwDeg_M_f32	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000475000008
VehDyn_SLPHwAuth_Uls_M_f32	0.428000003
VehDyn_SLPHwPos_HwDeg_M_f32	-19.3700008
k_HiSpdVDAuthority_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	11.6199999
k_TravelXCHwAuthority_Uls_f32	0.202824995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736
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
0	target_VehDyn_Per1_HwTorque_HwNm_f32



Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t	732	
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.600006	456.600006 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.25	1885.25 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.40002	-2000.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5	753.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.600006	142.600006 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	367.714966	367.714996	~
VehDyn_MinOffset_HwDeg_M_f32	-416.502014	-416.502014	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7943058	17.7943077 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.428000003	0.428000003 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-19.3700008	-19.3700008 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.157 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.02002	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	

2014-09-19, 20:47:45+0530



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_AutoCntrl_oSpd_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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	3174948759	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999	-2500.3999 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.59998	1950.59998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.09998	-1887.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.40002	1900.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.59998	-1988.59998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.80005	-1900.80005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1137.92603	1137.92603	✓
VehDyn_MinOffset_HwDeg_M_f32	1514.70996	1514.70996	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99383116	-6.99383116 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.409000009	0.409000009 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-9.10999966	-9.10999966 ± 0.1	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.158 (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	6.0999999
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	-753.599976
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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		
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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682		
VehDyn_AutoCntrLoSpd_M_str.Timerz_ms_usz VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			
	1988.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4399999e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_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		
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	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	0.389999986		
VehDyn_SLPHwPos_HwDeg_M_f32	1.14999998		
	0		
k_HiSpdVDAuthority_UIs_f32			
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004		
k_TravelXCDeadband_Uls_f32	9.56000042		
k_TravelXCHwAuthority_Uls_f32	0.205274999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF Mtr		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid C	_	
	target VehDyn Per1 VehicleSpeed Kph f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	0 - 7 - 1 - 1 - 1	UL	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-467.850006		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1110.21704		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.67999983		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4400024		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1988.28003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468	255468	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.599976	-753.599976 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	Y
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1750.50134	-1750.50134 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	54822322	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.40002	1988.40002 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.59998	-1482.59998 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	1110.21704	1110.21704	•
VehDyn_MinOffset_HwDeg_M_f32	-467.850006	-467.850006	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	6.30041265	6.30041265 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.389999986	0.389999986 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1.14999998	1.14999998 ± 0.1	~

T				-0
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.159 (Repeat Count = 1)		<u> </u>
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2999992	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.3000031	
VehDyn AutoCntrDetSpd M str.FiltPinTrg1.1	VehDyn Per199992	

2014-09-19, 20:47:45+0530



	1		
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_lgc	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_UIs_f32	15.1999998		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000478000002		
VehDyn_SLPHwAuth_Uls_M_f32	0.370999992		
VehDyn_SLPHwPos_HwDeg_M_f32	11.4099998		
k_HiSpdVDAuthority_UIs_f32	0		
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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-461.589996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1104.64795		
target VehDyn Per1 HwTorque HwNm f32.value	7.23999977		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	154		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	- 100 U.I.
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3589476708	3589476708	~
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	2967684784	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.399994	456.399994 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.300003	142.300003 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCotrHispd_M_str.Filter2Initialized_Cnt_lgc			-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.200012	935.200012 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5	-1482.5 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		✓
· - · - ·	0		-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
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 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 0 1 109643620	0 0 1 109643620	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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 0 1	~





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.80005	1900.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1104.64795	1104.64795	~
VehDyn_MinOffset_HwDeg_M_f32	-461.589996	-461.589996	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1961098	15.1961098 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.370999992	0.370999992 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	11.4099998	11.4099998 ± 0.1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2999992
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.6001
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000402000005
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0500002
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.5
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	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
ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000495999993
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt 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	34.099985
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	136.100006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.1000000
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
ehDyn_AutoChtrLoSpd_M_str.Timer1Thresh_mS_u16	26195
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresn_mS_u16 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918 54822322
ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002
ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	7.480002e-005 -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 Igc	1		
,	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc			
VehDyn_MaxOffset_HwDeg_M_f32	1152.90198		
VehDyn_MinOffset_HwDeg_M_f32	-389.765991		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14		
VehDyn PinTrgSV M str.K Uls f32	0.000479000009		
VehDyn SLPHwAuth Uls M f32	0.351999998		
,			
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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32			
	target_VehDyn_Per1_MotorVelCRF_MtrRad	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	wDeg f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
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_venDyn_Per1_TorqueCmdCRF_MtrNm_r3z.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	1 99.9639969	Expected Value	Posuit
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	1 99.9639969 Actual Value	Expected Value	Result
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 99.9639969 Actual Value 1	1	~
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	1 99.9639969 Actual Value	· ·	Result
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 99.9639969 Actual Value 1	1	~
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1 99.9639969 Actual Value 1 3796740682	1 3796740682	· ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001	1 3796740682 3174948759 -2500.6001 ± 0.009	· ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009	· · · · · · · · · · · · · · · · · · ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_igc	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009	· ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_igc	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009	· · · · · · · · · · · · · · · · · · ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_igc	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0 0	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_igc	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0 0 1 1 2728878080	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080	· · · · · · · · · · · · · · · · · · ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0 0 1 1 2728878080 2760420810	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810	· · · · · · · · · · · · · · · · · · ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Fiiter1Initialized_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0 0 1 1 2728878080 2760420810 -888.299988	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810 -888.299988 ± 0.0009	· · · · · · · · · · · · · · · · · · ·
target_VehDyn_Per1_VehicleSpeedValid_Cnt_igc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0 0 1 1 2728878080 2760420810	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810	· · · · · · · · · · · · · · · · · · ·
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_AutoCntrLoSpd_M_str.Filter	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0 0 1 1 1 2728878080 2760420810 -888.299988 -753.200012 0 1 1 1 0 164464918 54822322 -2000.40002 -1900.59998 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810 -888.299988 ± 0.0009 0 1 1 1 0 164464918 54822322 -2000.40002 ± 0.009 -1900.59998 ± 0.009 1 0 0 1 1 1 1 1 1 1 1 888.671021	
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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Splt1Sv_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1DetSplt1Sv_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.Filter1DetSplt2Sv_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Spltit1Sv_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Spltit1Sv_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Spltit1Sv_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1DetSplt1Sv_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.Filter1DetSplt1Splt_Gnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSplt_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1DetSplt_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	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0 0 1 1 1 2728878080 2760420810 -888.299988 -753.200012 0 1 1 1 0 164464918 54822322 -2000.40002 -1900.59998 1 0 0 0 1 1 1 1 1-888.671021 -389.765991 13.997057	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810 -888.299988 ± 0.0009 0 1 1 1 0 164464918 54822322 -2000.40002 ± 0.009 1 0 0 1 1 1 1 1 1 1 1 1888.671021 -389.765991 13.997057 ± 0.00009	
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 VehDyn_AutoCntrDetSpd_M_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_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetDetDetDetDetDetDetDetDetDetDetDetDetD	1 99.9639969 Actual Value 1 3796740682 3174948759 -2500.6001 -1900.09998 0 0 1 1 1 2728878080 2760420810 -888.299988 -753.200012 0 1 1 1 0 164464918 54822322 -2000.40002 -1900.59998 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3796740682 3174948759 -2500.6001 ± 0.009 -1900.09998 ± 0.009 0 1 1 1 2728878080 2760420810 -888.299988 ± 0.0009 0 1 1 1 0 164464918 54822322 -2000.40002 ± 0.009 -1900.59998 ± 0.009 1 0 0 1 1 1 1 1 1 1 1888.671021 -389.765991	· · · · · · · · · · · · · · · · · · ·



Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.600006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5999985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.5999985
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
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	0.000407000014
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_Igc	0
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.300003
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.8000031
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
/ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	86.5999985
/ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	12258
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005 0.000761999981
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
/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.Filter1mittalized_Cnt_lgc	0
	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	
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





Name	Input Value		
k_HiSpdVDAuthority_UIs_f32	0.899999976		
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 f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos HwDeg fo	. –	
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target VehDyn Per1 SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrI		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid C	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_Igc.value	0		
target VehDyn Per1 VehicleSpeed Kph f32.value	230		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	3589476708	V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.3999	2800.3999 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005	2800.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708	3589476708	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810	2760420810	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.6001	-2400.6001 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.40002	-1438.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404	-1157.89404	~
VehDyn_MinOffset_HwDeg_M_f32	1951.27002	1951.27002	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50328505	1.50328505 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.89999976	0.89999976 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-412.140137	-412.140015 ± 0.1	

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.162 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

2014-09-19, 20:47:45+0530



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

2014-09-19, 20:47:45+0530



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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	54822322	54822322	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3382212733	3382212733	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2600.6001	2600.6001 ± 0.009	✓
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.09998	-1482.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	v
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	824746752	824746752	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	425.200012	425.200012 ± 0.0009	✓
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	456.200012	456.200012 ± 0.0009	
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.40002	1900.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.59998	-1482.59998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1087.94104	1087.94104	✓
VehDyn_MinOffset_HwDeg_M_f32	-442.809998	-442.809998	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.90007687	8.90007687 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.31400001	0.31400001 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	42.1899986	42.1899986 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

2014-09-19, 20:47:45+0530



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

2014-09-19, 20:47:45+0530



Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127.450996		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005	-2500.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948759	3174948759	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.299988	-423.299988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005	-2500.30005 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.59998	-1900.59998 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.400024	-753.400024 ± 0.0009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_MaxOffset_HwDeg_M_f32	1082.37195	1082.37195	
VehDyn_MinOffset_HwDeg_M_f32	-436.549988	-436.549988	
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8978577	13.8978577 ± 0.00009	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1246.19995	-1246.19995 ± 0.1	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Sten 2.464 (Beneat Count = 4)	
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



Name	Input Value		
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_AutoCntrl_oSpd_M_str.VehSpd_kph_f32	106.699997		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 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	-2400.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Ois_i32	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_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	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_Uls_f32	0.899999976		
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997		
k_TravelXCDeadband_Uls_f32	3.38000011		
k_TravelXCHwAuthority_Uls_f32	0.212624997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_Hw		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwD		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_H		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAu	·	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHv		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdC		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	I_NPII_T32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456 2400 04004		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-2400.04004 -4.5999999		
target_vehDyn_Per1_lorqueCmdCRr_mtrNm_32.value target_vehDyn_Per1_vehicleSpeedValid_Cnt_lgc.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230		
		Expected Value	Basul
Name VohDun AlloudiSadAutoCatr Cat M Iga	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1 3580476708	1 3580476708	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	3589476708	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.09998	1991.09998 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd_M_str.Filter Hintialized_Cnt_lgc VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt_lgc	1	1	

 $VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	~
VehDyn_MinOffset_HwDeg_M_f32	1969.75	1969.75	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.49870157	1.49870157 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.275999993	0.275999993 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	62.7099991	62.7099991 ± 0.1	~

T				
<u> </u>				~
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	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	2967684784
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000404999999
ehDyn_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
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4499969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	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
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
/ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc	1

2014-09-19, 20:47:45+0530



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			
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	7.53999993e-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			
VehDyn_SLPHwAuth_Uls_M_f32	0.256999999			
VehDyn_SLPHwPos_HwDeg_M_f32	72.9700012			
k_HiSpdVDAuthority_Uls_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	2		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H			
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_C			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	1.2999995			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001			
Name	Actual Value	Expected Value	Result	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004657	4004004657	~	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	~	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.59998	-1438.59998 ± 0.009	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948759	3174948759	~	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995	-2500.19995 ± 0.009	✓	
7 2 3 3 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1177.86206	1177.86206	~
VehDyn_MinOffset_HwDeg_M_f32	2076.03003	2076.03003	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39797401	-5.39797354 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.256999999	0.256999999 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	72.9700012	72.9700012 ± 0.1	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
setSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
tte Inst Ap VehDyn	target Rte Inst Ap VehDyn
ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	600.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.199969
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	41.2000008
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh mS u16	38868
ehDyn_AutoChtrDetSpd_M_str.Timer1Thresh_mS_u16	38708
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
ehDyn_AutoCntrDetSpd_M_str.Fillerz_ms_usz ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001
· - · ·	0.000406000006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	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.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	566.799988
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_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

2014-09-19, 20:47:45+0530



Input Value		
1		
1		
1		
0		
0		
1		
1182.854		
-376.470001		
7.5999999		
0.000483000011		
0.238000005		
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2160073393	2160073393	
-2400.19995	-2400.19995 ± 0.009	
-2400.19995 753.599976	-2400.19995 ± 0.009 753.599976 ± 0.0009	
-2400.19995 753.599976 0	-2400.19995 ± 0.009 753.599976 ± 0.0009 0	
-2400.19995 753.599976 0	-2400.19995 ± 0.009 753.599976 ± 0.0009 0	
-2400.19995 753.599976 0 0	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0	
-2400.19995 753.599976 0 0 0	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1	
-2400.19995 753.599976 0 0 0 1 2728878080	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 0 1 2728878080	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 ± 0.009	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 2800.1001 ± 0.009 0	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 \pm 0.009 2800.1001 \pm 0.009 0	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 1 2728878080 2553156835 2600.19995 \pm 0.009 2800.1001 \pm 0.009 0 1	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1 1	-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	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1 1 1	-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 0	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1 1 1 0 1	-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 0 1	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1 1 1 1 1 1	-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 0 1 1	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1 1 1 1 1 1065.66504	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 0 1 1 1 1 0 1 1 1065.66504	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1 1 1 1 1 1065.66504 -417.769989	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 0 1 1 1 1 1 1 1 1 1065.66504 -417.769989	
-2400.19995 753.599976 0 0 0 1 2728878080 2553156835 2600.19995 2800.1001 0 1 1 1 1 1 1065.66504	-2400.19995 ± 0.009 753.599976 ± 0.0009 0 0 0 1 2728878080 2553156835 2600.19995 ± 0.009 0 1 1 1 1 0 1 1 1065.66504	
	1 1 1 1 1 0 0 0 1 1 1182.854 -376.470001 7.599999 0.000483000011 0.23800005 83.2300034 1 0 41.0999985 1.3200005 0.215075001 3941357312 2728878080 target_VehDyn_Per1_CwEOT_HwDegtarget_VehDyn_Per1_MotorVelCRF_Mitarget_VehDyn_Per1_RelHwPos_HwDegtarget_VehDyn_Per1_SensorlessAuthotarget_VehDyn_Per1_SensorlessAuthotarget_VehDyn_Per1_SensorlessAuthotarget_VehDyn_Per1_SensorlessAuthotarget_VehDyn_Per1_VehicleSpeed_Kf_417.769989 1065.66504 -1.33000004 -835.440002 2600.01001 5.5999999 1 120.410004 Actual Value 1 13174948759 4290967295 -2400.1001 1988.09998 1 1 0 2728878080	1



Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.167 (Repeat 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	52.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
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_Igc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
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	2800.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
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	-1438.30005
VehDyn_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
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn HiSpdLearnt Cnt M Igc	1
/ehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1187.84595
VehDyn_MinOffset_HwDeg_M_f32	-383.190002
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5
VehDyn PinTrgSV M str.K Uls f32	0.000483999989





Name	Innut Value		
Name	Input Value		
VehDyn_SLPHwAuth_Uls_M_f32	0.218999997 93.4899979		
VehDyn_SLPHwPos_HwDeg_M_f32	0		
k_HiSpdVDAuthority_Uls_f32 k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008		
k_TraveIXCDeadband_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_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f		
target VehDyn Per1 CcwEOT HwDeg f32.value	-411.51001		
target VehDyn Per1 CwEOT HwDeg f32.value	1060.09595		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.44000006		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-456		
target VehDyn Per1 RelHwPos HwDeg f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	3589476708	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.30005	2800.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.5	-1988.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	V
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_Initialize_Cnt_M_lgc	1	1	•
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	1060.09595	1060.09595	•
VehDyn_MinOffset_HwDeg_M_f32			✓
Valabour Die Tarony Marchardy IIIa 600	-411.51001	-411.51001	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.49854183	1.49854183 ± 0.000009	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value			

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Rte Call VehDyn Per1 CP1 ChecknointReached	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

2014-09-19, 20:47:45+0530



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 3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 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_HwDeg_str.K_Uls_f32	0.000407999993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006
VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-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_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrl oSpd_M_str.MtrVel_MtrPadps_f32	10.6000004
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 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	53.599985
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	0.20000003
VehDyn_SLPHwPos_HwDeg_M_f32	103.75
k_HiSpdVDAuthority_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031
k_TravelXCDeadband_UIs_f32	4.46000004
k_TravelXCHwAuthority_Uls_f32	0.217525005 2167769344
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	2167769344 309385728
target_Getsystem rime_ms_usz_current rime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT_HwDeg_132
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorle	essHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_Torque0	CmdCRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_Vehicles	SpeedValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_Vehicles	Speed_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.40002	1988.40002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	· · · · · ·
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	· · · · · ·
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	-1745.87292	-1745.87305	
VehDyn_MinOffset_HwDeg_M_f32	-389.910004	-389.910004	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000253	-1.60000253 ± 0.000009	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	103.75	103.75 ± 0.1	

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.169 (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	

2014-09-19, 20:47:45+0530



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_AutoCntrlliSpd_M_str.MtrVel_MtrRadpS_f32	56.700008 96.800031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 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 1885.19995
VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0.000966000021
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn LoSpdLearnt Cnt M Igc	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_Uls_f32	0
k_LoSpdVDAuthority_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	96.1999969
k_TravelXCDeadband_Uls_f32	6.03000021
k_TravelXCHwAuthority_UIs_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_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kph_f32 -398.98999
target_VehDyn_Per1_CcwEO1_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1048.95801
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.65999997
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1.03999997 -1299
	-1438.69995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1438.69995 -1.8999998

2014-09-19, 20:47:45+0530



Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812	328928812	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.69995	2800.69995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998	1950.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004657	4004004657	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995	1885.19995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1197.82996	1197.82996	✓
VehDyn_MinOffset_HwDeg_M_f32	1039.70996	1039.70996	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7936239	-14.7936239 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.180999994	0.180999994 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	114.010002	114.010002 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.170 (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_Igc	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

2014-09-19, 20:47:45+0530

VehDyn_Per1



Name	Input Value		
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	1885.40002		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000768000027		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.59998		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000528000004		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.300003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.330017		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.63999997e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.100006		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000967999978		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn HiSpdLearnt Cnt M Igc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn MaxOffset HwDeg M f32	1202.82202		
VehDyn_MinOffset_HwDeg_M_f32	-403.350006		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000487000012		
VehDyn_SLPHwAuth_Uls_M_f32	0.162		
VehDyn_SLPHwPos_HwDeg_M_f32	124.269997		
k_HiSpdVDAuthority_UIs_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k SysKinRatio MtrDegpHwDeg f32	32.4000015		
k_TravelXCDeadband_Uls_f32	7.5999999		
k_TravelXCHwAuthority_Uls_f32	0.219974995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832		
target GetSystemTime mS u32 CurrentTime	437658624		
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDe	g f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg	<u></u>	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwD		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target VehDyn Per1 SensorlessAutho		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo	·	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-392.730011	p.13£	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1043.38904		
target VehDyn Per1 HwTorque HwNm f32.value	-1.76999998		
	-1.76999998		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value			
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	308 85100		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.85199	Power A 137 1	le .
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.100006	456.100006 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.19995	-1438.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	~
Valabora AutoCatalliCad M. eta Tirana C. reQ. reQ.	4070220770	4070000770	

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2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.40002	1885.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2000.59998	-2000.59998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	437658624	437658624	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.330017	753.330017 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.100006	142.100006 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1043.38904	1043.38904	~
VehDyn_MinOffset_HwDeg_M_f32	-392.730011	-392.730011	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7905922	17.7905922 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	✓

Test Step 2.171 (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	76.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.1000004
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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 lgc	0

2014-09-19, 20:47:45+0530



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		
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	-1988.30005		
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 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	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		
VehDyn_SLPHwPos_HwDeg_M_f32	134.529999		
k_HiSpdVDAuthority_Uls_f32	0		
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	52.7000008		
k_TravelXCDeadband_Uls_f32	9.17000008		
k TravelXCHwAuthority Uls f32	0.221200004		
target DtrmnElapsedTime mS u32 ElapsedTime	71426560		
target_GetSystemTime_mS_u32_CurrentTime	3941357312		
target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
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_M	trNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_lgc.value	0		
target VehDyn Per1 VehicleSpeed Kph f32.value	489		
		l=v.	
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	3174948759	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995	-2500.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.59998	1950.59998 ± 0.009	→
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.5	-1887.5 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.90002	1900.90002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	1037.81995	1037.81995	~
VehDyn_MinOffset_HwDeg_M_f32	-386.470001	-386.470001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.9975791	-6.9975791 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.143000007	0.143000007 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	134.529999	134.529999 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.172 (Repeat Count = 1)	
Name	Input Value
	target DtrmnElapsedTime mS u32 ElapsedTime
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	497.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.099976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000411999994
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000972000009
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.6999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000536000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	36612
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	54822322
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3796740682
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1988.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.68000027e-005
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.09998
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000972000009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
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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_UIs_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_HwI	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwD	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hv	vNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_	_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut	thority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHw	Pos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCF	RF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed	Valid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-380.209991		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1032.25098		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.99000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4100037		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	_
·			
	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733 2967684784	3382212733 2967684784	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2967684784 -753.099976	2967684784 -753.099976 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2967684784 -753.099976 1885.19995	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	2967684784 -753.099976 1885.19995 1	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	2967684784 -753.099976 1885.19995 1	2967684784 -753.099976 ± 0.0009 1885.19995 ± 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	2967684784 -753.099976 1885.19995 1 0	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	2967684784 -753.099976 1885.19995 1 0 0	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784 -753.099976 1885.19995 1 0 0 0 274107514	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514	
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	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296	
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	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296 1988 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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	2967684784 -753.099976 1885.19995 1 0 0 274107514 3304439296 1988 -1898.81555	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988 -1898.81555 1	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	2967684784 -753.099976 1885.19995 1 0 0 274107514 3304439296 1988 -1898.81555 1	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 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.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	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988 -1898.81555 1 1	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009 1 1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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	2967684784 -753.099976 1885.19995 1 0 0 274107514 3304439296 1988 -1898.81555 1 1 1	$\begin{array}{c} 2967684784 \\ -753.099976 \pm 0.0009 \\ 1885.19995 \pm 0.009 \\ 1 \\ 0 \\ 0 \\ 0 \\ 274107514 \\ 3304439296 \\ 1988 \pm 0.009 \\ -1898.81555 \pm 0.009 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ \end{array}$	
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 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	2967684784 -753.099976 1885.19995 1 0 0 274107514 3304439296 1988 -1898.81555 1 1 1 1 3304439296	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009 1 1 1 1 1 1 1 3304439296	
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VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Phitialized_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_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.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_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	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988 -1898.81555 1 1 1 1 3304439296 3796740682 1988.30005 -1482.09998 0 1 1 0 1 1 0	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009 1 1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 1 0 1 1 1 1	
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.Filter1Philtialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Philtialized_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Philtialized_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 VehDyn_LoSpdLearnt_Cnt_M_lgc	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988 -1898.81555 1 1 1 1 3304439296 3796740682 1988.30005 -1482.09998 0 1 1 1 0 1 1 0	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009 1 1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 1 0 1 1 0 1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_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	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988 -1898.81555 1 1 1 1 3304439296 3796740682 1988.30005 -1482.09998 0 1 1 0 1 0 -955.749023	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009 1 1 1 1 1 3304439296 3796740682 1988.30005 ± 0.009 -1482.09998 ± 0.009 0 1 1 1 0 1 0 -955.749023	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.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.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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988 -1898.81555 1 1 1 1 3304439296 3796740682 1988.30005 -1482.09998 0 1 1 1 0 -955.749023 -416.790009	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0 1 1 0 -955.749023 -416.790009	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.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.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	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988 -1898.81555 1 1 1 1 3304439296 3796740682 1988.30005 -1482.09998 0 1 1 0 1 0 -955.749023 -416.790009 6.29617453	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0 -955.749023 -416.790009 6.29617453 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.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_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	2967684784 -753.099976 1885.19995 1 0 0 0 274107514 3304439296 1988 -1898.81555 1 1 1 1 3304439296 3796740682 1988.30005 -1482.09998 0 1 1 1 0 -955.749023 -416.790009	2967684784 -753.099976 ± 0.0009 1885.19995 ± 0.009 1 0 0 0 274107514 3304439296 1988 ± 0.009 -1898.81555 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0 1 1 0 -955.749023 -416.790009	



Т			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.173 (Repeat Count = 1)	
Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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.ReiHwPosFilt2SV_HwDeg_str.Sv_Ois_i32	0.000974000024
· · · · · · · · · · · · · · · · · · ·	0.000974000024
/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.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.9000015
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.8000002
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_Igc	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	5.400001
/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
/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	7.6999997e-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
	1217.79797
/ehDyn_MaxOffset_HwDeg_M_f32 /ehDyn MinOffset HwDeg M f32	-423.51001





Name	Input Value		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000490000006		
VehDyn_SLPHwAuth_Uls_M_f32	0.104999997		
VehDyn_SLPHwPos_HwDeg_M_f32	155.050003		
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_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176		
target_GetSystemTime_mS_u32_CurrentTime	2167769344		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_	<u>f</u> 32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	y_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	ltrNm_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	-373.950012		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1026.68201		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.0999999		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1991.09998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.600006	142.600006 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.299988	935.299988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.80005	-1482.80005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657	4004004657	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-964.417969	-964.41803	~
VehDyn_MinOffset_HwDeg_M_f32	-423.51001	-423.51001	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1914358	15.1914368 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

T			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.174 (Repeat Count = 1)	In the Avenue
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	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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	78.6999969
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	1
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.Timer1Thresil_nis_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	
· - · ·	-2000.30005 7.7400008E005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	7.7199985e-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_UIs_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000491000013
VehDyn_SLPHwAuth_Uls_M_f32	0.0860000029
VehDyn_SLPHwPos_HwDeg_M_f32	165.309998
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_VehDyn_Per1_HwTorque_HwNm_f32



Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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_M	/ltrNm_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	n_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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.4520035		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.200012	-888.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.799988	-753.799988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.30005	-2000.30005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005	-1900.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1021.11298	1021.11298	✓
VehDyn_MinOffset_HwDeg_M_f32	-367.690002	-367.690002	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9920683	13.9920683 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0860000029	0.0860000029 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	165.309998	165.309998 ± 0.1	~

T ·				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.175 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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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Verbin Autocollebelo M. att interferon Verbin V	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
Visityin, Auschartschipt, M. an Eriskerschizoli, Jackey and V. Lip. 20 Visityin, Auschartschipt, M. an Eriskerschizoli, Jackey and V. Lip. 20 Visityin, Auschartschipt, M. an Eriskerschizoli, Jackey and V. Lip. 20 Visityin, Auschartschipt, M. an Eriskerschizol, D. d. g. 9 Visityin, Auschartschipt, M. an Eriskerschizol, D. d. g. 9 Visityin, Auschartschipt, M. an Eriskerschizol, D. d. g. 9 Visityin, Auschartschipt, M. and V. Lip. 20 Visityin, Auschartschipt, M. and V. Lip. 20 Visityin, Auschartschipt, M. and Visityin, M. and V. Lip. 20 Visityin, Auschartschipt, M. and Visityin, M.	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005
Vahity Puniconfederity Marketine Fine Editionals Con Igs	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000414999988
VerDiny, Audocharbsige, M. as Primer Semble, Crit. pc VerDiny, Audocharbsige, M. as Primer Semble, Cott. pc VerDiny, Audocharbsige, M. as Primer VerDiny, as VerDiny, Audocharbsige, M. as Primer VerDiny	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5
VenDry AutoContending Mart Printer Contails 0	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000977999996
VeOlop, Auchicarbidispil, M. at Printrinstance, Det. Ige VeOlop, Auchicarbidispil, M. at Printrinstance, Det. Ige VeOlop, Auchicarbidispil, M. at Printrinstance, Det. Ige Veolop, Auchicarbidispil, M. at Verlags by Ig. 12 Veolop, Auchicarbidispil, M. at Verlags by Ig. 12 Veolop, Auchicarbidispil, M. at Verlags by Interest Threat, Ind., 118 Veolop, Auchicarbidispil, M. at Trintrinstance, Ind. Ig. 13 Veolop, Auchicarbidispil, M. at Trintrinstance, Ind. Ig. 12 Veolop, Auchicarbidispil, M. at Trintrinstance, Ind.	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
Veology, Justico-String M., at First-Instrustance (Left, Igs Veology, Justico-String M., at First-Instrustance (Left, Igs) Veology, Justico-String M. at Verlands (19, 18, 12) Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 9, 141 Veology, Justico-String M. at Trimoral Treath, in 141 Veology, Justico-St	VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0
Verbiny AutoChestRoph M. and Yeshingh, 19.2 Verbiny AutoChestRoph	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ValChyp. AutoChestRopt. M. at Verbigs (pt. 1921). ValChyp. AutoChestRopt. M. at Verbigs (pt. 1921). ValChyp. AutoChestRopt. M. at Verbins (pt. 1922). ValChyp. AutoChestRopt. M. at Timer (pt. 1922). ValChyp. AutoChest		0
Verbilly AutoContrils (20 M. at PAPPER Holm 152 25 Verbilly AutoContrils (20 M. at PAPPER Holm 152 25 Verbilly AutoContrils (20 M. at Timer Host 162 30 50 Verbilly AutoContrils (20 M. at Timer Host 162 30 50 Verbilly AutoContrils (20 M. at Timer Host 162 30 30 30 Verbilly AutoContrils (20 M. at Timer 162 32 32 32 32 32 32 32		2.79999995
Verbin, AutoCarles SQL M. as Final Parting Havbin, 152 Verbin, AutoCarles SQL M. as Final Partine Interest, mg. 1/16 Verbin, AutoCarles SQL M. as Final Partine Interest, mg. 1/16 Verbin, AutoCarles SQL M. as Final Partine Interest, mg. 1/16 Verbin, AutoCarles SQL M. as Final Partine Interest, mg. 1/16 Verbin, AutoCarles SQL M. as Final Partine Interest, mg. 1/16 Verbin, AutoCarles SQL M. as Final Partine Interest, mg. 1/16 Verbin, AutoCarles SQL M. as Final Partine Interest Interest, mg. 1/16 Verbin, AutoCarles SQL M. as Final Partine Interest In		106.800003
VehDp. AubCorth18Q M. at Ther Threatment mg. 116		
Verbin, AutoChristopi, M. at Timor Hose), mg. 116 Verbin, AutoChristopi, M. at Timor Hose), mg. 116 Verbin, AutoChristopi, M. at Timor Hose), mg. 127 Verbin, AutoChristopi, M. at Timor En. 132 Verbin, AutoChristopi, M. at Timor Enable, Chri. Ige Verbin, AutoChristopi, M. at Verbinor Enable, Chri. Ige Verbin, AutoChristopi, M. at Verbinor Enable, Chri. Ige Verbin, AutoChristopi, M. at Verbinor Enable, Chri. Ige Verbin, AutoChristopi, M. at Timor Enable, Chri. Ige Verbin		
VenDyn_AubContentSpg_M_st_Timer_Ims_Usi2		
Verbilly, AutoContrised, M. str. Timer 1. ms. jus2 Verbilly, AutoContrised, M. str. Timer 1. ms. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. Hubberg, str. V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. Hubberg, str. V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. Hubberg, str. V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. Hubberg, str. V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. Hubberg, str. V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. Hubberg, str. V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. Hubberg, str. V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. lis. jus2 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Rehistorer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus4 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus3 Verbilly, AutoContrised, M. str. Timer 1115 V. lis. jus		
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VahDyn, AusContHSQd, MJ, ReinHerbands 115V, Hooleg, str. Ville, 13 425,200/12 VahDyn, AusContHSQd, MJ, ReinHerbands 115V, Hooleg, str. Ville, 13 457,79988 VahDyn, AusContHSQd, MJ, ReinHerbands 20V, Hooleg, str. Ville, 13 457,79988 VahDyn, AusContHSQd, MJ, str. Filter Zeinable, Cril, ge 0 VahDyn, AusContHSQd, MJ, str. Filter Zeinable, Cril, ge 0 VahDyn, AusContHSQd, MJ, str. Filter Zeinable, Cril, ge 0 VahDyn, AusContHSQd, MJ, str. Filter Zeinable, Cril, ge 0 VahDyn, AusContHSQd, MJ, str. Filter Zeinable, Cril, ge 0 VahDyn, AusContHSQd, MJ, str. Filter Zeinable, Cril, ge 0 VahDyn, AusContHSQd, MJ, str. Filter Zeinable, Cril, ge 16 VahDyn, AusContLSQd, MJ, str. Filter Zeinable, Cril, ge 2 VahDyn, AusContLSQd, MJ, str. Filter Zeinable, Cril, ge 2 VahDyn, AusContLSQd, MJ, str. Filter Zeinable, Cril, ge 3186 VahDyn, AusContLSQd, MJ, str. Filter Zeinable, Cril, ge 1024 VahDyn, AusContLSQd, MJ, str. Filter Zeinable, Cril, ge 1004 VahDyn, AusContLSQd, MJ, str. Filter Zeinable, Cril, ge 1004 VahDyn, AusContLSQd, MJ, str. Filter Zeinable, Cril, ge 0 VahDyn, AusContLSQd, MJ, str. Filter Zeinable, Cril, ge		
VanDup AusContribSig M, str Reinhers IIISS V MuSe 13		
VehDyn, AusConthiSpd, M.; RichellwederillESV, HvoDeg, str. K, Uis. [32] 496799882 VehDyn, AusConthiSpd, M.; Articeller Enable, Cort. [gr. 0] 1 VehDyn, AusConthiSpd, M.; Str. Enter Enable, Cort. [gr. 0] 0 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 0 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 0 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 2 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 146,998994 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 146,998994 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 2 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 3186 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 1582 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 1690 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 1690 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 1690 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 1690 VehDyn, AusConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0] 0 VehDyn, JusiConthiSpd, M.; str. Enter Initialized, Cort. [gr. 0]		
VerbDyn_AutContrisSpd_M_str_Retractable_Crt_Upc		
VehDyn, AutoContriSpd, M. str ReitsChaele, Crt. Igo VehDyn, AutoContriSpd, M. str Filter Initiatized, Crt. Igo VehDyn, AutoContriSpd, M. str Filter Initiatized, Crt. Igo VehDyn, AutoContriSpd, M. str Filter Initiatized, Crt. Igo VehDyn, AutoContriSpd, M. str Veh, Marquis, B.2 2.4000001 VehDyn, AutoContriSpd, M. str VehDyn, Initiation, Spd, M. str VehDyn, AutoContriSpd, M. str VehDyn, AutoContriSpd, M. str VehDyn, AutoContriSpd, M. str VehDyn, AutoContriSpd, M. str Contributed, VehDyn, AutoContriSpd, M. str Time Thesel, m.B. u16 VehDyn, AutoContriSpd, M. str Time Thesel, m.B. u16 VehDyn, AutoContriSpd, M. str Time Thesel, m.B. u16 VehDyn, AutoContriSpd, M. str Time AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, AutoContriSpd, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, Miscottes, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, Miscottes, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, Miscottes, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, Miscottes, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, Miscottes, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, Miscottes, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, Miscottes, M. str ReithePositiStV Hebog, str SV, Uls (32 VehDyn, Miscottes, M. str ReithePositiStV Hebog, str SV, Uls (32 Veh		
VerDyn, AuSchrifts)od, M. Str. FilterEinsbe, Crd. Up;		
Verbyn_AutocriteHSpd_M_stributeInitialized_Cht_ligs		
VerbDyn_AutoCintcloSqL M_str Myth MirRangS_122		
VerbDyn_AutoCnitLoSpd_M_str NetNetNetNetNetNetNetNetNetNetNetNetNetN		
Verbyn_AutoCriticSpd_M_str_FiltPhin*Tq_Hwhin_Si2		0
VehDyn_AutoCnitLoSpd_M_str_FiliPrintHawlm_132	VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001
VehDyn_AutoCnitLoSpd_M_str_TimerTimesh_mS_u16	VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.399994
VehDyn_AutoCnitLoSpd_M_str.Timer1Thresh_mS_u16 3190 VehDyn_AutoCnitLoSpd_M_str.Timer2Thresh_mS_u16 3186 VehDyn_AutoCnitLoSpd_M_str.Timer2_mS_u32 219288216 VehDyn_AutoCnitLoSpd_M_str.Timer2_mS_u32 1004 VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFitISV_HwDeg_str.SV_Uis_f32 1004 VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFitISV_HwDeg_str.X_Uis_f32 7.74 e-005 VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFitISV_HwDeg_str.X_Uis_f32 0.000977999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFitISV_HwDeg_str.X_Uis_f32 0.000977999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFitISV_HwDeg_str.X_Uis_f32 0.000977999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFitISV_HwDeg_str.X_Uis_f32 0.000977999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFitISV_HwDeg_str.X_Uis_f32 0.0009779999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwPosFitISV_HwDeg_str.X_Uis_f32 0.0009779999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwDesFitISV_HwDeg_str.X_Uis_f32 0.0009779999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwDesFitISV_HwDeg_str.X_Uis_f32 0.0009779999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwDesFitISV_HwDeg_str.X_Uis_f32 0.0009779999996 VehDyn_AutoCnitLoSpd_M_str.ReiHwDesFitISV_HwDeg_str.X_Uis_f32 0.0009779999996 VehDyn_NatoRitISV_HwDeg_str.X_Uis_f32 1.	VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.4000001
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
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VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	VehDyn AutoCntrLoSpd M str.Timer1 mS u32	219286216
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VehDyn_SI.PHwAuth_Uls_M_f32 0.0670000017 VehDyn_SI.PHwPos_HwDeg_M_f32 175.570007 k_HiSpdVDAuthority_Uls_f32 1 k_LoSpdVDAuthority_Uls_f32 0 k_SysKinRatio_MtrDegpHwDeg_f32 56.1300011 k_TravelXCDeadband_Uls_f32 15.4499998 k_TravelXCHwAuthority_Uls_f32 0.226099998 target_DtrmnElapsedTime_mS_u32_ElapsedTime 3533260288 target_DetSystemTime_mS_u32_CurrentTime 3323480832 target_Rel_inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_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_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_VehDyn_Per1_Vehicle		
VehDyn_SLPHwPos_HwDeg_M_32 175.570007 k_HiSpdVDAuthority_Uls_f32 1 k_LoSpdVDAuthority_Lis_f32 0 k_SysKinRatio_MtrDegpHwDeg_f32 56.1300011 k_TravelXCDeadband_Uls_f32 15.4499998 k_TravelXCHwAuthority_Uls_f32 0.226099998 k_TravelXCHwAuthority_Uls_f32 0.226099998 target_DtrmnElapsedTime_mS_u32_CurrentTime 3533260288 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_GwEOT_HwDeg_f32 target_VehDyn_Per1_HwDroque_HwNm_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SensorlesSpeed_Wps_HwDeg_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_	VehDyn_PinTrqSV_M_str.K_Uls_f32	
k_HiSpdVDAuthority_Uls_f32 k_LoSpdVDAuthority_Uls_f32 k_LoSpdVDAuthority_Uls_f32 k_SyskinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 st_TravelXCDeadband_Uls_f32 target_NewAuthority_Uls_f32 target_Details_psedTime_mS_u32_ElapsedTime 3533260288 target_GetSystemTime_mS_u32_CurrentTime 3323480832 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Mtroque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Mtroque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_Mtroque_HwNm_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_RelsorriessAuthority_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_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedKph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedKph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1015.54401 target_VehDyn_Per1_HwTorque_HwNm_f32.value -2.31999993	VehDyn_SLPHwAuth_Uls_M_f32	0.0670000017
k_LoSpdVDAuthority_UIs_f32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_UIs_f32 k_TravelXCDeadband_UIs_f32 k_TravelXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_nS_u32_ElapsedTime 3533260288 target_GetSystemTime_mS_u32_CurrentTime 3323480832 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_EnderVelCRF_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_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_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32_value 1015.54401 target_VehDyn_Per1_HwTorque_HwNm_f32.value	VehDyn_SLPHwPos_HwDeg_M_f32	
k_SysKinRatio_MtrDegpHwDeg_f32	k_HiSpdVDAuthority_Uls_f32	1
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 clarget_DtrmnElapsedTime_mS_u32_ElapsedTime diagret_GetSystemTime_mS_u32_CurrentTime diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed/Valid_Cnt_igc diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 diagret_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 diagret_VehDyn_Per1_CcwEOT_HwDeg_f32.value diagret_VehDyn_Per1_VehicleSpeed_Kph_f32 diagret_VehDyn_Per1_CcwEOT_HwDeg_f32.value diagret_VehDyn_Per1_HwTorque_HwNm_f32.value	k_LoSpdVDAuthority_Uls_f32	0
k_TravelXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime 3323480832 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_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_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -361.429993 target_VehDyn_Per1_HwTorque_HwNm_f32.value -2.31999993	k_SysKinRatio_MtrDegpHwDeg_f32	56.1300011
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime 3323480832 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_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_CcwEOT_HwDeg_f32.value -361.429993 target_VehDyn_Per1_HwTorque_HwNm_f32.value -2.31999993	k_TravelXCDeadband_Uls_f32	15.4499998
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1015.54401 -2.31999993	k_TravelXCHwAuthority_Uls_f32	0.226099998
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1015.54401 -2.31999993	target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 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_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_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_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_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_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_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_VehicleSpeed_Kph_f32 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_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_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_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_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_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_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_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_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 ta		
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_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 -361.429993		
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_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_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_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_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		
	· · · · - · - · - · · · · · · · · · · ·	
target VehDvn Per1 MotorVelCRF MtrRadpS f32 value -1253		
	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832	3323480832	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.30005	2600.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5	-1482.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012	425.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.799988	456.799988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832	3323480832	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.40002	1900.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1015.54401	1015.54401	✓
VehDyn_MinOffset_HwDeg_M_f32	-361.429993	-361.429993	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89454842	8.89454937 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0670000017	0.0670000017 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	175.570007	175.570007 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.176 (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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VehDyn_Per1



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		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10		
VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16	30404		
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	30349		
	274107514		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32			
VehDyn_AutoCatal oSad M. etc. Poll hydroc Filld CV Hydrog etc. CV His 622	4290967295		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.76000015e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000980000012		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn HiSpdLearnt Cnt M Igc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn LoSpdLearnt Cnt M Igc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1232.77405		
VehDyn_MinOffset_HwDeg_M_f32	-443.670013		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8999996		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000493000029		
VehDyn_SLPHwAuth_Uls_M_f32	0.0480000004		
VehDyn_SLPHwPos_HwDeg_M_f32	185.830002		
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		
target_GetSystemTime_mS_u32_CurrentTime	3941357312		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	12	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwDeg f32		
V =	, , , , , , , , , , , , , , , , , , ,		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_F		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-369.149994		
target VehDyn Per1 CwEOT HwDeg f32.value	1009.97498		
target VehDyn Per1 HwTorque HwNm f32.value	-2.43000007		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-835		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	<u> </u>
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.19995	-2500.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
	1		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.5	-423.5 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.69995	-2500.69995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.40002	-1900.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.5	-753.5 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1232.77405	1232.77405	~
VehDyn_MinOffset_HwDeg_M_f32	1629.84998	1629.84998	•
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.8919325	13.8919325 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0480000004	0.0480000004 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	185.830002	185.830002 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te 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

2014-09-19, 20:47:45+0530



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 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32.5 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_Uls_f32	-1900.30005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000982000027		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_HiSpdLearnt_Cnt_M_lgc 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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	-	
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1987.09998 4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target VehDyn Per1 VehicleSpeed Kph f32.value	99.9899979		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	- toouic
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005	-2500.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998	-1900.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988 -753.799988	-888.299988 ± 0.0009 -753.799988 ± 0.0009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-753.799988	-753.799988 ± 0.0009	· ·
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002	-2000.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005	-1900.30005 ± 0.009	~





Name	Actual Value	Expected Value	Result
VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc	0	0	~
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-982.69397	-982.69397	~
VehDyn_MinOffset_HwDeg_M_f32	-450.390015	-450.390015	✓
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9918575	13.9918575 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0289999992	0.0289999992 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	196.089996	196.089996 ± 0.1	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.178 (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	604.700012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.699997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.6999998
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.6999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000418000011
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1482.30005
ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000984000042
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1
ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	2.53999996
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106,599998
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.65400004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.599985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
· - · ·	39056
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.899994
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000560000015
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.5999999
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.600006
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.40002
/ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	7.79999973e-005

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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	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	1242.75806		
VehDyn_MinOffset_HwDeg_M_f32	-457.109985		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000494999986		
VehDyn_SLPHwAuth_Uls_M_f32	0.0099999978		
VehDyn_SLPHwPos_HwDeg_M_f32 k HiSpdVDAuthority UIs f32	206.350006		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992		
k TravelXCDeadband Uls f32	20.1599998		
k_TravelXCHwAuthority_Uls_f32	0.229774997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	2167769344		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_I	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	trNm_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	-384.589996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	998.836975		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.6500001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	· ·
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322 3382212733	54822322 3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.5	2600 5 + 0 009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	_
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2167769344	2167769344	~
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2967684784	2967684784	_
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012	425.200012 ± 0.0009	·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.899994	456.899994 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.40002	1900.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.5	-1482.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 1 1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1 1 998.836975	1 1 998.836975	•
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 1 998.836975 -384.589996	1 1 998.836975 -384.589996	•
VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 1 1 998.836975	1 1 998.836975	





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1.99002075	1.99000001 ± 0.1	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.179 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	14.6999998
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.6999969
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 Igc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
ehDyn Initialize Cnt M Igc	0
/ehDyn_Initialize_Cit_M_igc	0
/ehDyn_toSputearnt_Cnt_m_gc /ehDyn_MaxOffset_HwDeg_M_f32	-1247.75
/ehDyn_MinOffset_HwDeg_M_f32	-1247.75 -463.829987
	-463.829987 13.8999996
/ehDyn_PinTrqSV_M_str.SV_UIs_f32	
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 Uls 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	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNi	m_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_M	trRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho	ority_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo	os_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_	_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedVal		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K	ph_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	1 127		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value			- u
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861	2345892861	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005	-2400.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.1001	-2500.1001 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
		1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1 0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	0	
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VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 0 3714197504 3174948759	0 3714197504 3174948759	~
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VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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_LoSpdLearn_Cnt_M_lgc	1 0 3714197504 3174948759 -423.200012 -2500.8999 0 1 0 1 3714197504 4290967295 -1900.40002 -753.299988 0 1 1	0 3714197504 3174948759 -423.200012 ± 0.0009 -2500.8999 ± 0.009 0 1 0 1 3714197504 4290967295 -1900.40002 ± 0.009 0 1 1 1 1 1 1 1 1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 3714197504 3174948759 -423.200012 -2500.8999 0 1 0 1 3714197504 4290967295 -1900.40002 -753.299988 0 1 1 1 1 1 0	0 3714197504 3174948759 -423.200012 ± 0.0009 -2500.8999 ± 0.009 0 1 0 1 3714197504 4290967295 -1900.40002 ± 0.009 0 1 1 1 1 1 1 1 993.268005	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 3714197504 3174948759 -423.200012 -2500.8999 0 1 0 1 3714197504 4290967295 -1900.40002 -753.299988 0 1 1 1 1 1 1 0 993.268005 -392.309998	0 3714197504 3174948759 -423.200012 ± 0.0009 -2500.8999 ± 0.009 0 1 0 1 3714197504 4290967295 -1900.40002 ± 0.009 0 1 1 1 1 1 1 0 993.268005 -392.309998	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_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.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_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32	1 0 3714197504 3174948759 -423.200012 -2500.8999 0 1 0 1 3714197504 4290967295 -1900.40002 -753.299988 0 1 1 1 1 1 1 0 993.268005 -392.309998 13.8917198	0 3714197504 3174948759 -423.200012 ± 0.0009 -2500.8999 ± 0.009 0 1 0 1 3714197504 4290967295 -1900.40002 ± 0.009 0 1 1 1 1 1 1 0 993.268005 -392.309998 13.8917198 ± 0.00009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 0 3714197504 3174948759 -423.200012 -2500.8999 0 1 0 1 3714197504 4290967295 -1900.40002 -753.299988 0 1 1 1 1 1 1 0 993.268005 -392.309998	0 3714197504 3174948759 -423.200012 ± 0.0009 -2500.8999 ± 0.009 0 1 0 1 3714197504 4290967295 -1900.40002 ± 0.009 0 1 1 1 1 1 1 0 993.268005 -392.309998	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	✓



Test Step 2.180 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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	0.000419999997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000987999956
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.099985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.099985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	78 20423
	31368
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 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	0.000788000005
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-753.900024
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000568000018
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.7000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.7000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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	7.84000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000987999956
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1252.74194
VehDyn_MinOffset_HwDeg_M_f32	-470.549988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000497000001
VehDyn_SLPHwAuth_Uls_M_f32	0.0280000009
VehDyn_SLPHwPos_HwDeg_M_f32	226.869995
k_HiSpdVDAuthority_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	86.3099976
k_TravelXCDeadband_Uls_f32	23.2999992
k_TravelXCHwAuthority_UIs_f32	0.23225001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
target_GetSystemTime_mS_u32_CurrentTime	0 target VehDun Pert CouEGT Huden f22
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32





Name	Input Value			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_h	target VehDyn Per1 SensorlessHwPos HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	rNm f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	_		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_			
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	Actual Value	Expected Value	Result	
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3796740682	3796740682	•	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3174948759	3174948759	_	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.5	-2500.5 ± 0.009	•	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.30005	-1900.30005 ± 0.009		
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	✓	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0		
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	0	0	✓	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.299988	-888.299988 ± 0.0009	✓	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.900024	-753.900024 ± 0.0009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1		
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	0	0	•	
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1		
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	0	0	✓	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	54822322	54822322		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.40002	-2000.40002 ± 0.009	~	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	_	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓	
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	0	0		
VehDyn HiSpdLearnt Cnt M Igc	1	1	·	
VehDyn Initialize Cnt M Igc	1	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	·	
VehDyn_MaxOffset_HwDeg_M_f32	-999.500977	-999.500977		
VehDyn_MinOffset_HwDeg_M_f32	-470.549988	-470.549988	~	
VehDyn_PinTrqSV_M_str.SV_UIs_f32	13.9916439	13.9916439 ± 0.00009		
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0280000009	0.0280000009 ± 0.004		
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	226.869995	226.869995 ± 0.1		
goobyi_i or _oononcoorim oo_i wbog_loz.value			· · · · · · · · · · · · · · · · · · ·	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.181 (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	

2014-09-19, 20:47:45+0530



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

2014-09-19, 20:47:45+0530



2014-09-19, 20:47:45+0530

VehDyn_Per1



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 3174948759		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 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_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.699997		
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_AutoCntrl_oSpd_M_str.Timer1_mS_u32	274107514		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4290967295 -1900.5		
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32	-1900.5 7.88000034e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_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 Igc	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	1262.72595		
VehDyn_MinOffset_HwDeg_M_f32	-483.98999		
VehDyn_PinTrqSV_M_str.SV_Uls_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_UIs_f32	1		
k_LoSpdVDAuthority_Uls_f32 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_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_Hv	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_	HwNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCF	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	Authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_Sensorlessl		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpec		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpec	ea_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-415.470001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	976.560974		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.08999991 -835		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-835 -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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	Resul
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2345892861	2345892861	
VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.30005	-2500.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	,
V. I.B			

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	255468	255468	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-423.299988	-423.299988 ± 0.0009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.80005	-2500.80005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	255468	255468	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.5	-1900.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.099976	-753.099976 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	976.560974	976.560974	~
VehDyn_MinOffset_HwDeg_M_f32	-415.470001	-415.470001	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8915052	13.8915052 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0460000001	0.0460000001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	247.389999	247.389999 ± 0.1	~

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.100006
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.82000007e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1399994
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37799
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41632
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000391999987
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

2014-09-19, 20:47:45+0530



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.FiltPinTrq_HwNm_f32	2.79999995		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.7999992		
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_AutoCntrl_oSpd_M_str.Timer2_mS_u32	2553156835 1950.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_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		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
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_UIs_f32	0		
k_LoSpdVDAuthority_Uls_f32 k_SysKinRatio_MtrDegpHwDeg_f32	32.5		
k_TraveIXCDeadband_Uls_f32	28.0100002		
k TravelXCHwAuthority Uls f32	0.2359		
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_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_t	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	<u>f</u> 32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_l		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_		
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 -3.20000005		
target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-3.20000005 -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 Igc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	4243378688	4243378688	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500	-2500 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998	-1900.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004657	4004004657	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.5	1900.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	· ·
VehDyn_AutoCatrl liSad_M_str.Filter1Initialized_Cnt_lgc	1	1	*
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 4004004657	0 4004004657	•
VonDyn_Autoonti.Loopu_ivi_sti.Tiitlet i_itto_uoz	7004004037	7004004037	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.5	1950.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.3999	2800.3999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	360	360	~
VehDyn_MinOffset_HwDeg_M_f32	-423.190002	-423.190002	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29571772	6.29571724 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0549999997	0.0549999997 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	257.649994	257.649994 ± 0.1	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

ame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
etSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
te_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	4.3000019
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 Igc	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	32.0999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	22037
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	164464918
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-2000.5
ehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Ois_is2	0.00070199999
ehDyn_AutoChtrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.N_Uis_i32	-1900.5
, =	0.000395999989
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	· ·
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCotrLoSpd_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.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

2014-09-19, 20:47:45+0530



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 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn AutoCntrLoSpd M str.Filter1Initialized 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	1272.70996		
VehDyn_MinOffset_HwDeg_M_f32	-497.429993		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998		
VehDyn_PinTrqSV_M_str.K_UIs_f32	0.000453999994		
VehDyn_SLPHwAuth_Uls_M_f32	0.064000003		
VehDyn_SLPHwPos_HwDeg_M_f32	267.910004		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	52.2000008		
k_TravelXCDeadband_Uls_f32	29.5799999		
k_TravelXCHwAuthority_Uls_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_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrF	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_TorqueCmdCRF_N target_VehDyn_Per1_VehicleSpeedValid_	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.910004	_102	
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.30999994		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-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		
	499 Actual Value	Expected Value	Resul
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value		Expected Value	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name	Actual Value	·	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	Actual Value	1	•
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	Actual Value 1 2138628886	1 2138628886	•
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	Actual Value 1 2138628886 54822322	1 2138628886 54822322	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	Actual Value 1 2138628886 54822322 2600.3999	1 2138628886 54822322 2600.3999 ± 0.009	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009	
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1 0 1050692864 54822322	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0 1050692864 54822322	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1 0 1050692864 54822322 -2000.5	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0 1050692864 54822322 -2000.5 ± 0.009	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1 0 1050692864 54822322 -2000.5 -1900.5	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0 1050692864 54822322 -2000.5 ± 0.009 -1900.5 ± 0.009	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1 0 1050692864 54822322 -2000.5 -1900.5 0	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0 1050692864 54822322 -2000.5 ± 0.009 -1900.5 ± 0.009 0	
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Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_HiSpdLearnt_Cnt_M_lgc	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1 0 1050692864 54822322 -2000.5 -1900.5 0 0 1 1050692864 2760420810 148.5 -1438.09998 0 1 1	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0 1050692864 54822322 -2000.5 ± 0.009 0 0 1 1050692864 2760420810 148.5 ± 0.009 -1438.09998 ± 0.009 0 1 1	Result
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target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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.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.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1 1 0 1050692864 54822322 -2000.5 -1900.5 0 0 1 1050692864 2760420810 148.5 -1438.09998 0 1 1 1 0 1 0 1	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0 1050692864 54822322 -2000.5 ± 0.009 0 0 1 1050692864 2760420810 148.5 ± 0.009 -1438.09998 ± 0.009 0 1 1 1 0 1 0 1	
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1 1 0 1050692864 54822322 -2000.5 -1900.5 0 0 0 1 1050692864 2760420810 148.5 -1438.09998 0 1 1 1 0 1272.70996	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0 1050692864 54822322 -2000.5 ± 0.009 0 0 1 1050692864 2760420810 148.5 ± 0.009 -1438.09998 ± 0.009 0 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 0 1 1 1	
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	Actual Value 1 2138628886 54822322 2600.3999 -1482.30005 1 1 1 1 0 1050692864 54822322 -2000.5 -1900.5 0 0 1 1050692864 2760420810 148.5 -1438.09998 0 1 1 1 0 1 0 1	1 2138628886 54822322 2600.3999 ± 0.009 -1482.30005 ± 0.009 1 1 1 0 1050692864 54822322 -2000.5 ± 0.009 0 0 1 1050692864 2760420810 148.5 ± 0.009 -1438.09998 ± 0.009 0 1 1 1 0 1 0 1	





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	267.910004	267.910004 ± 0.1	~

Τ				~
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Namo	Input 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	498.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29729
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	33804
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861
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	3.83999986e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	52.4000015
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
	-1482.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00039999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	662.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.139999
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.5
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.00000019e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.40002
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
/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_ige	0
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
VenDyn_nispacearit_cnt_w_gc VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_Initialize_Crit_ivi_igc VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VenDyn_LospaLeami_Cni_m_igc VenDyn_MaxOffset_HwDeq_M_f32	
VenDyn_MaxOπset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1277.70203 -504.149994





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	- 400	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_ target_VehDyn_Per1_HwTorque_HwNi		
target_Rte_inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF M		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDo	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpeedVal		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_K		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1415.25		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.42000008		
target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-835.099976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✓
		1004	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	_
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-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 2600.1001	-2400.19995 ± 0.009 2600.1001 ± 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	-2400.19995 2600.1001 0	-2400.19995 ± 0.009 2600.1001 ± 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	-2400.19995 2600.1001 0	-2400.19995 ± 0.009 2600.1001 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter1Initialized_Cnt_lgc	-2400.19995 2600.1001 0 0	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-2400.19995 2600.1001 0 0 0	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	-2400.19995 2600.1001 0 0 0 1 219286216	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-2400.19995 2600.1001 0 0 1 219286216 1024 1900.30005 -1482.40002	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	-2400.19995 2600.1001 0 0 1 219286216 1024 1900.30005	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.30005 ± 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_AutoCntrDetSpd_M_str.Filter2Initialized_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 2600.1001 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 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_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-2400.19995 2600.1001 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc	-2400.19995 2600.1001 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 0	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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	-2400.19995 2600.1001 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 0 1024	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0 1024	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Timer2_mS_u32	-2400.19995 2600.1001 0 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 0 1024 2967684784	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0 1024 2967684784	
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.Filter1Initialized_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.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_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	-2400.19995 2600.1001 0 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 1 0 1024 2967684784 753.5	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0 1024 2967684784 753.5 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.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.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995 2600.1001 0 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 1 0 1024 2967684784 753.5 1950.40002	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0 1024 2967684784 753.5 ± 0.0009 1950.40002 ± 0.009	
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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.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-2400.19995 2600.1001 0 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 0 1024 2967684784 753.5 1950.40002 1 0 0 0 1 1 1 1 1	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0 1024 2967684784 753.5 ± 0.009 1950.40002 ± 0.009 1 0 0 1 1 1 1 1 1 1 1 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.112SV_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.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_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-2400.19995 2600.1001 0 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 0 1024 2967684784 753.5 1950.40002 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0 1024 2967684784 753.5 ± 0.009 1950.40002 ± 0.009 1 0 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 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.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.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.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.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.Filter2Initialized_Cnt_lgc	-2400.19995 2600.1001 0 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 0 1024 2967684784 753.5 1950.40002 1 0 0 0 1 1 1 1 -485.150024 -504.149994	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0 1024 2967684784 753.5 ± 0.0009 1950.40002 ± 0.009 1 0 0 1 1 1 1 -485.149994 -504.149994	
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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spl.112SV_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.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_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	-2400.19995 2600.1001 0 0 0 1 219286216 1024 1900.30005 -1482.40002 0 1 1 0 1024 2967684784 753.5 1950.40002 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2400.19995 ± 0.009 2600.1001 ± 0.009 0 0 0 1 219286216 1024 1900.30005 ± 0.009 -1482.40002 ± 0.009 0 1 1 0 1024 2967684784 753.5 ± 0.009 1950.40002 ± 0.009 1 0 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~



Test Step 2.186 (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 0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	124.599998
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.599998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	13.5000004
VehDyn_AutoCntrHiSpd_M_str.Cntrvvindow_HwDeg_t32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30349
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-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 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	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	7.8000019
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_UIs_f32	1
k_LoSpdVDAuthority_UIs_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	63.0139999
k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32	32.7200012
	0.239574999
	1117110000
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_DtrmnElapsedTime_mS_u32_ElapsedTime	



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_SensorlessAuthori	ity_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	s_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_I	MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid	d_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kp	h_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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2880.21997	-2880.21997 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.69995	-2400.69995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.599976	-753.599976 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.5	1885.5 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	987.698975	987.698975	~
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79478073	7.79478073 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0820000023	0.0820000023 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	288.429993	288.429993 ± 0.1	

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.187 (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_Igc	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	

2014-09-19, 20:47:45+0530



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_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2880.21997	2880.21997 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.30005	-1482.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.399994	456.399994 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.59998	-1887.59998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.399994	142.399994 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	982.130005	982.130005	~
VehDyn_MinOffset_HwDeg_M_f32	-360	-360	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19688082	3.19688082 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.99000001	0.99000001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.188 (Repeat Count = 1)	✓
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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_UIs_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	-1482.19995		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0.000411999994		
VehDyn_AutoCntrHiSpd_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	86.4000015		
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	206.199997		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.2000008		
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_Igc	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_Uls_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 0.242025003		
k_TravelXCHwAuthority_UIs_f32			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088 954802432		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_Hw	Dog #22	
target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32	target VehDyn Per1 CwEOT HwI		
target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32	target_VehDyn_Per1_HwTorque_H	y-	
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target VehDyn Per1 RelHwPos H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAi	·-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target VehDyn Per1 TorqueCmdC		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpee		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1242.25	F	
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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.69995	-1438.69995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.200012	-753.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	954802432	954802432	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.59998	-1753.59998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.09998	-1900.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-1292.67798	-1292.67798	~
VehDyn_MinOffset_HwDeg_M_f32	-488.599976	-488.600006	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39921045	-5.39921045 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.100000001	0.100000001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	308.950012	308.950012 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.189 (Repeat 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	457.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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	753.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	44.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.600006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.2099991
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	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	-753.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000415999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

2014-09-19, 20:47:45+0530



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_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000459000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.108999997		
VehDyn_SLPHwPos_HwDeg_M_f32	319.209991		
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_f3	2	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	_	
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF Mt		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target VehDyn Per1 VehicleSpeedValid	_	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kph_		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc		•	Result
, =	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812	328928812	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1440.88	1440.88 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.5	753.5 ± 0.0009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012	456.200012 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.299988	-753.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	935.599976	935.599976 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.40002	-1482.40002 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	970.992004	970.992004	~
VehDyn_MinOffset_HwDeg_M_f32	-423.190002	-423.190002	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	7.59471798	7.59471798 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1209.75	1209.75 ± 0.1	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lame	Input Value
trmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
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 AutoCntrDetSpd M str.MtrVel MtrRadpS f32	498.600006
ehDyn AutoCntrDetSpd M str.VehSpd 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.Timer2Thresh mS u16	13059
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	-1200.56006
ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	3.88999979e-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	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	96.5999985
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.699997
ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	9.6000038
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.ReinwPosFiltzSv_HwDeg_str.K_Dis_isz	1
	0
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.3000031
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.300003
ehDyn_AutoCotrLoSpd_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 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-888.599976 7.1000022e-005

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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_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	1302.66199		
VehDyn_MinOffset_HwDeg_M_f32	-537.75		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32	0.00046000001		
VehDyn SLPHwPos HwDeg M f32	0.118000001 329.470001		
k HiSpdVDAuthority Uls f32	0.340000004		
k_LoSpdVDAuthority_UIs_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	86.6999969		
k TravelXCDeadband Uls f32	39		
k TravelXCHwAuthority Uls f32	0.244475007		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816		
target_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	_Ulsf32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_F	lwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	·Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	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 -2500		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-4.9000001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target VehDyn Per1 VehicleSpeed Kph f32.value	42.2200012		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	/ /
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	219286216	V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1200.56006	-1200.56006 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.69995	-1988.69995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.30005	-2500.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.299988	456.299988 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	*
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	*
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657	4004004657	Y
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888.599976	-888.599976 ± 0.0009	V
VehDyn_AutoCotrl oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2600.1001	2600.1001 ± 0.009	
VehDyn_AutoCntrl_oSpd_M_str.Filter1Enable_Cnt_lgc	0	0	*
VehDyn_AutoCntrl_oSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_Initialize_Cnt_M_lgc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	
VehDyn_MaxOffset_HwDeg_M_f32	1302.66199	1302.66199	-
VehDyn MinOffset HwDeg M f32	2069.09009	2069.09009	·
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49745774	1.49745774 ± 0.000009	-
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.118000001	0.118000001 ± 0.004	✓





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	329.470001	329.470001 ± 0.1	~

T				~
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

lame	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M Igc	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.Timer1Thresh_mS_u16	52282
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
	2138628886
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	
/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_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.400002
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206.100006
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810
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 Igc	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_lgc	1
/ehDyn_midalize_cnt_wi_gc /ehDyn_LoSpdLearnt_Cnt_M_lgc	1
/ehDyn_LoSpaLearnt_Cnt_M_gc /ehDyn_MaxOffset_HwDeg_M_f32	-2840
/ehDyn_MinOffset_HwDeg_M_132	-544.469971





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_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	40.5699997
k_TravelXCHwAuthority_Uls_f32	0.245700002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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	959.854004
target_VehDyn_Per1_HwTorque_HwNm_f32.value	



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_Igc	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 5.1999981
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5 38868
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 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 Igc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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_TraveIXCDeadband_Uls_f32	42.1399994
k_TravelXCHwAuthority_UIs_f32	0.246924996
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





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtrl	RadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_M	/trNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph	ı_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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.6001	-2500.6001 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.099976	-753.099976 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.69995	-2000.69995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999	1440.10999	~
VehDyn_MinOffset_HwDeg_M_f32	1553.65002	1553.65002	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.794982	-14.794982 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.136000007	0.136000007 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	349.98999	349.98999 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.193 (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	

2014-09-19, 20:47:45+0530



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_Uls_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_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_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_loc
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.69995	-1438.69995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.30005	-1988.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420810	2760420810	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.700012	-753.700012 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.59998	1988.59998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1425.25	1425.25	~
VehDyn_MinOffset_HwDeg_M_f32	299.279968	299.279999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79442263	7.79442215 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.119999997	0.119999997 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓

T			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.194 (Repeat Count = 1)	✓
Name	Input Value
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

2014-09-19, 20:47:45+0530

VehDyn_Per1



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.4000001		
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.5999985		
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970		
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784		
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	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		
	2138628886		
VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32			
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_Igc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn HiSpdLearnt Cnt M Igc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002		
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000464000012		
VehDyn_SLPHwAuth_Uls_M_f32	0.153999999		
VehDyn SLPHwPos HwDeg M f32	370.51001		
k HiSpdVDAuthority Uls f32	0.75999999		
k LoSpdVDAuthority Uls f32	1		
	52.5400009		
k_SysKinRatio_MtrDegpHwDeg_f32			
k_TravelXCDeadband_Uls_f32	45.2799988		
k_TravelXCHwAuthority_Uls_f32	0.249375001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688		
target_GetSystemTime_mS_u32_CurrentTime	3941357312		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target VehDyn Per1 MotorVelCRF MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
		_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	•
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	2800.19995	2800.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	
	0	-3200 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	U	0	•

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.01001	456.01001 ± 0.0009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1900.69995	1900.69995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.5	-1438.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002	-1302.15002	~
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7896194	17.7896194 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1443.98999	1444 ± 0.1	~

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
SetSystemTime_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	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 Igc	0

2014-09-19, 20:47:45+0530



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 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	63.5 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 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0.000923999993		
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	0		
VehDyn_MaxOffset_HwDeg_M_f32	1298.25		
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	2840 -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_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	0.25060001 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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_TorqueCmdCRF_MtrN		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_Cr	_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f3		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-469.51001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	937.578003		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.51999998		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.73999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1900.06995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	4.9000001		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.859985		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	~
VehDyn_AutoCatrDetSad_M_str.Filter1Enable_Cnt_lgc	1	1	V
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	V
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2500.52002	-2500.52002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	0	J
VenDyn_AutoCntrliSpd_M_str.Filter2ffiltalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1900.69995	-1900.69995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.599976	753.599976 ± 0.0009	~





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1298.25	1298.25	✓
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99862003	-6.99862003 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.163000003	0.163000003 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	380.769989	380.769989 ± 0.1	✓

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

lama	Immit Value
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	31.2000008
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	125.199997
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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_lgc	1.
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	94.5999985
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999
ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	41
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	39056
ehDyn AutoCntrHiSpd M str.Timer1 mS u32	3382212733
ehDyn AutoCntrHiSpd M str.Timer2 mS u32	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 Igc	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.Timer2Thresh_mS_u16	30349
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
	4290967295
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	-1482.69995
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	-1482.69995 7.21999968e-005

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	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		
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	-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_Uls_f32	0.233999997		
k_LoSpdVDAuthority_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	25.5499992		
k_TravelXCDeadband_Uls_f32	48.4199982		
k_TravelXCHwAuthority_UIs_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_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3:		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_MtrR		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target VehDyn Per1 SensorlessAuthority		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_I		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mi	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	132	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	1=	1
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	→
		· ·	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861	2345892861	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861 3589476708	2345892861 3589476708	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2345892861 3589476708 753.099976	2345892861 3589476708 753.099976 ± 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	2345892861 3589476708 753.099976 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	2345892861 3589476708 753.099976 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	2345892861 3589476708 753.099976 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 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	2345892861 3589476708 753.099976 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 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	2345892861 3589476708 753.099976 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	2345892861 3589476708 753.099976 0 0 0 1 2167769344	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 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	2345892861 3589476708 753.099976 0 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 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_AutoCntrDetSpd_M_str.Filter2Initialized_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	2345892861 3589476708 753.099976 0 0 0 1 2167769344 3589476708 753.200012	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344	
VehDyn_AutoCntrDetSpd_M_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	2345892861 3589476708 753.099976 0 0 0 1 2167769344 3589476708 753.200012 2600.19995	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 0.0009 2600.19995 ± 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.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	2345892861 3589476708 753.099976 0 0 0 1 2167769344 3589476708 753.200012	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 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_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	2345892861 3589476708 753.099976 0 0 0 1 2167769344 3589476708 753.200012 2600.19995	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 0.0009 2600.19995 ± 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.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	2345892861 3589476708 753.099976 0 0 0 1 2167769344 3589476708 753.200012 2600.19995 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 0.0009 2600.19995 ± 0.009 0 1	
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	2345892861 3589476708 753.099976 0 0 0 0 1 2167769344 3589476708 753.200012 2600.19995 0 1 1 0 2553156835 4290967295 -1482.69995 -1988.5 1 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 0.0009 2600.19995 ± 0.009 0 1 1 0 2553156835 4290967295 -1482.69995 ± 0.009 -1988.5 ± 0.009 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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Sintialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	2345892861 3589476708 753.099976 0 0 0 0 1 2167769344 3589476708 753.200012 2600.19995 0 1 1 0 2553156835 4290967295 -1482.69995 -1988.5 1 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 0.0009 2600.19995 ± 0.009 0 1 1 0 2553156835 4290967295 -1482.69995 ± 0.009 -1988.5 ± 0.009 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.Filter2Initialized_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.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_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.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.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	2345892861 3589476708 753.099976 0 0 0 0 1 2167769344 3589476708 753.200012 2600.19995 0 1 1 1 0 2553156835 4290967295 -1482.69995 -1988.5 1 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 0.0009 2600.19995 ± 0.009 0 1 1 0 2553156835 4290967295 -1482.69995 ± 0.009 -1988.5 ± 0.009 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_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	2345892861 3589476708 753.099976 0 0 0 0 1 2167769344 3589476708 753.200012 2600.19995 0 1 1 1 0 2553156835 4290967295 -1482.69995 -1988.5 1 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 0.0009 2600.19995 ± 0.009 0 1 1 0 2553156835 4290967295 -1482.69995 ± 0.009 -1988.5 ± 0.009 1 0 0 0 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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_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.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.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_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	2345892861 3589476708 753.099976 0 0 0 0 1 2167769344 3589476708 753.200012 2600.19995 0 1 1 1 0 2553156835 4290967295 -1482.69995 -1988.5 1 0 0 0	2345892861 3589476708 753.099976 ± 0.0009 0 ± 0.000009 0 0 0 1 2167769344 3589476708 753.200012 ± 0.0009 2600.19995 ± 0.009 0 1 1 0 2553156835 4290967295 -1482.69995 ± 0.009 -1988.5 ± 0.009 1 0 0 0	





Name	Actual Value	Expected Value	Result
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-1600	-1600 ± 0.1	~

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.197 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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	7.23999983e-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 Igc	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	0
/ehDyn Initialize Cnt M lgc	1
ehDyn_initialize_cht_M_igc	0
/ehDyn_toSpoteamt_Cnt_m_gc /ehDyn_MaxOffset_HwDeg_M_f32	1290.44995
/ehDyn_MinOffset_HwDeg_M_f32	-524.309998
	-524.509996 7.80000019
/ehDyn_PinTrqSV_M_str.SV_UIs_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_Uls_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	86.8499985		
k_TravelXCDeadband_Uls_f32	0		
k_TravelXCHwAuthority_UIs_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	target_VehDyn_Per1_CcwEOT_HwDeg		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_	_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mi		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAutho	·	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPo		
target_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_VehicleSpeedVal		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kp	ph_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	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1440.88	1440.88 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0744407504		
	3714197504	3714197504	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3714197504 3796740682	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32			•
	3796740682	3796740682	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3796740682 -1988.5	3796740682 -1988.5 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3796740682 -1988.5 -2400.19995	3796740682 -1988.5 ± 0.009 -2400.19995 ± 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	3796740682 -1988.5 -2400.19995 0	3796740682 -1988.5 ± 0.009 -2400.19995 ± 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	3796740682 -1988.5 -2400.19995 0	3796740682 -1988.5 ± 0.009 -2400.19995 ± 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 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	3796740682 -1988.5 -2400.19995 0 0	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	3796740682 -1988.5 -2400.19995 0 0 0	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	3796740682 -1988.5 -2400.19995 0 0 1 3714197504 1078320779 -753.799988	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 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_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	3796740682 -1988.5 -2400.19995 0 0 1 3714197504 1078320779 -753.799988 1988.59998	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 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.Filter1Enable_Cnt_lgc	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 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 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	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0 1	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 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 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	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0 1	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 0.009 0 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0 1 1 1	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 0.009 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.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	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0 1 1 1 1	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 0.009 0 1 1 1 1 0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0 1 1 1 0 1	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 0.009 0 1 1 1 1 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0 1 1 1 0 1	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 0.009 0 1 1 1 1 0 1	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0 1 1 1 0 1290.44995	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 0.0009 1988.59998 ± 0.009 0 1 1 1 0 1 0 1290.44995	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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_IspdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	3796740682 -1988.5 -2400.19995 0 0 0 1 3714197504 1078320779 -753.799988 1988.59998 0 1 1 1 0 1290.44995 268.820007	3796740682 -1988.5 ± 0.009 -2400.19995 ± 0.009 0 0 1 3714197504 1078320779 -753.799988 ± 0.0009 0 1 1 1 0 1 1 0 1290.44995 268.820007	

T				9
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDvn Per1 CP1 CheckpointReached	1	Rte Call VehDvn Per1 CP1 CheckpointReached	1	V



Test Step 2.198 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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_lgc	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	21364
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
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_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	1286.55005
VehDyn_MinOffset_HwDeg_M_f32	-537.75
VehDyn_PinTrqSV_M_str.SV_UIs_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
	100
k_TravelXCDeadband_Uls_f32	0.054074004
k_TraveIXCHwAuthority_Uls_f32	0.254274994
k_TraveIXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
k_TravelXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime	2075080192 3323480832
k_TraveIXCHwAuthority_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192





Name	Input Value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCF	RE MtrRadnS f32	
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target VehDyn Per1 SensorlessAuthority Uls 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	-492.670013	64_1Q1_102	
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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	resur
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3323480832	3323480832	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1988.09998	1988.09998 ± 0.009	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1200.56006	-1200.56006 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt. Igc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	3796740682	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4004004657	4004004657	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1988.30005	1988.30005 ± 0.009	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	2800.19995	2800.19995 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	_
VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc	1	1	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2967684784	2967684784	
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	2138628886	2138628886	
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.799988	456.799988 ± 0.0009	_
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.5	1991.5 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	_
VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc	0	0	*
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	0	0	
VehDyn HiSpdLearnt Cnt M Igc	1	1	~
VehDyn Initialize Cnt M Igc	1	1	
VehDyn LoSpdLearnt Cnt M Igc	1	1	~
VehDyn MaxOffset HwDeg M f32	920.870972	920.870972	
VehDyn_MinOffset_HwDeg_M_f32	-492.670013	-492.670013	*
VehDyn_PinTrqSV_M_str.SV_UIs_f32	3.196172	3.196172 ± 0.000009	
target VehDyn Per1 SensorlessAuthority Uls f32.value	0.189999998	0.189999998 ± 0.004	_
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	411.549988	411.549988 ± 0.1	
		T11.070000 ± 0.1	

Ţ ✓			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓

Test Step 2.199 (Repeat Count = 1)		<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	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	

2014-09-19, 20:47:45+0530



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
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.2999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
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_lgc	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	6.19999981
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
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
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	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002
VehDyn_MinOffset_HwDeg_M_f32	-551.190002
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468999991
VehDyn_SLPHwAuth_Uls_M_f32	0.199000001
VehDyn_SLPHwPos_HwDeg_M_f32	421.809998
k_HiSpdVDAuthority_Uls_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	54.7799988
k_TravelXCDeadband_Uls_f32	45.9799995
k_TraveIXCHwAuthority_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_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_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	-500.390015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	915.302002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.96000004
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-2500.06006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995





Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.049988		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1991.19995	1991.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	71426560	71426560	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861	2345892861	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.80005	-2500.80005 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002	-1282.65002	~
VehDyn_MinOffset_HwDeg_M_f32	1999.67004	1999.67004	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39978266	-5.39978266 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.199000001	0.199000001 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	421.809998	421.809998 ± 0.1	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 2.200 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631 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.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2553156835 2600.80005		
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32	7.30000029e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_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 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	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_UIs_f32	0		
k_LoSpdVDAuthority_UIs_f32 k SysKinRatio MtrDegpHwDeg f32	41.0400009		
k TravelXCDeadband Uls f32	24.8700008		
k TravelXCHwAuthority Uls 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_H	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_I	HwNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_I	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpee		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee	ea_Kph_t32	
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 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-835.200012 2600.07007		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.480003		
Name	Actual Value	Expected Value	Resul
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	IVESUI
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	3174948759	3174948759	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
Validation AutoContractor of Martin City adjustical and Contractor	1	4	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2430672128	2430672128	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.30005	-2400.30005 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	753.299988	753.299988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2600.80005	2600.80005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~

2014-09-19, 20:47:45+0530

Input Value



VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1	VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
Vectors Associated M. or Efficiency index Company	VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.299988		
Vectors Associated M. or Efficiency index Company		86.0999985		
Vestion NumberCode M. ST. Checkman St. Checkm		6.0999999		
Veolops, Autocinicality, M. James Threath James 10 2205 Veolops, Autocinicality, M. James Threath James 10 22074 Veolops, Autocinicality, M. James Threath James 10 22074 Veolops, Autocinicality, M. James Threath James 10 2209 Veolops, Autocinicality M. Jame		86.0999985		
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Vehicly Authoritication M. Serial-Report 150 Juniorg 20 50 50 50 50 50 50 50				
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Varboy_Authorith Colog_M_as Pack-Weekers20Holog_as No_Us_102 Varboy_Authorith Colog_M_as No_Us_102 Varboy_Authorith Co				
VanDrum, Auschrick Gold, M. art Reinferderials Crit. (sp. 1)				
Verbiny AutoChristoso M. ast Filher Enterlace Criticis Verbiny AutoChristoso M. ast Filher Interlaced Criticis Verbiny Installact Criticis M. pp. Verbiny Installact Criticis M. pp. Verbiny Installact M. pp. Verbiny Installact M. pp. Verbiny Macrosifica M. pp.				
VebDy AssCriticsQSD M. stiffler informatized_Crit_igs				
VehChy AutoConticody M. art Filler Infinitionalized Cert 190				
VehOps Machine Cet Mg 0	, - ,			
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Verbiny InfoRest Crif. M. jpc 0				
Verbry, Michael Hubbag, M. 192 Verbry, Pierros W. M. et W. Us. 192 Verbry, Si-Pherbry, M. et W. Us. 192 Verbry, Werbry, M. et W. M. et W. e				
Verbiny, Microffeet, Hi-Deag, M. 152				
Verbup, MinStey, Livin (192 5-58 0000001 Verbup, Perit (192 M. str.) (b) (s) (22 0.000411000007 Verbup, Perit (192 M. str.) (b) (s) (23 0.000411000007 Verbup, Perit (192 M. str.) (b) (s) (24 0.000411000007 Verbup, Nebbup, M. str.) (b) (s) (24 0.000411000007 Verbup, Nebbup, M. str.) (b) (s) (s) (s) (s) (s) (s) (s) (s) (s) (s				
Section Sect		-1274.84998		
Verborn SLPHW-Rot Mode M 152		-578.070007		
Verborn SIPHWANT, Uis M, IS2	VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VenDyn SI-PhreFree Hubberg M. 132	VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007		
L-SpSy/DAURONI, Us. 12 1 2 2 1 2 2 2 2 2	VehDyn_SLPHwAuth_Uls_M_f32	0.216999993		
K_LSSpVDAumonity_Uis_122	VehDyn_SLPHwPos_HwDeg_M_f32	442.329987		
KSNSK/RRAIL_ORDEOPHROP_122		0		
K_Trave/KCP-Multority_Uls_132		1		
K_TraveXCDeathand_UB_JS_2 2 28 1000002		54.1399994		
International Content				
target_DebystemTime_mS_u32_CurpentTime target_Reb_mit_A_p_VehDyn_VehDyn_Pert_CoxEOT_HwDeg_u32 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_CoxEOT_HwDeg_u32 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_More_u22 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_More_u23 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_More_u24 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_More_u24 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_More_u25 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_More_u25 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_More_u25 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_More_u26 target_VehDyn_Pert_More_u260 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_Reb_w0e_u362 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_Reb_w0e_u362 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_SensoriessAuthonity_Uis_u32 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_VehdeSpeed_Kpb_mit_u36 target_VehDyn_Pert_CoxEOT_HwDeg_u362 target_Reb_mit_A_p_VehDyn_VehDyn_Pert_VehdeSpeed_Kpb_mit_u36 target_VehDyn_Pert_CoxEOT_HwDeg_u362 target_VehDyn_Pert_CoxEOT_HwDeg_u364 target_VehDyn_Pert_CoxEOT_HwDeg_u364 target_VehDyn_Pert_CoxEOT_HwDeg_u364 target_VehDyn_Pert_VehdeSpeed_Kph_U364 target_VehDyn_Pert_VehdeSpeed_K				
Imaget_Rel_met_A_VenDyn_VenDyn_Pert_CwEOT_HwDeg_132 Imaget_Rel_met_A_VenDyn_VenDyn_Pert_CwEOT_HwDeg_132 Imaget_Rel_met_A_VenDyn_VenDyn_Pert_CwEOT_HwDeg_132 Imaget_Rel_met_A_VenDyn_VenDyn_Pert_LwForque_HwMm_132 Imaget_VenDyn_Pert_LwForque_HwMm_132 Imaget_Rel_met_A_VenDyn_VenDyn_Pert_HwForque_HwMm_132 Imaget_Rel_met_A_VenDyn_VenDyn_Pert_HwForque_HwMm_132 Imaget_Rel_met_A_VenDyn_VenDyn_Pert_RelHwFoe_HwDeg_132 Imaget_VenDyn_Pert_RelHwFoe_HwDeg_132 Imaget_VenDyn_Pert_RelHwDeg_132 Imaget_VenDyn_Pert_RelHwFoe_HwDeg_132 Imaget_VenDyn_	- · - · - · - · - · - · · - · · · · · ·			
larget_Ric_Inst_AD_VehDyn_VehDyn_Per1_CoxEOT_HwDeg_132 larget_VehDyn_Per1_CoxEOT_HwDeg_132 larget_Ric_Inst_AD_VehDyn_VehDyn_Per1_Mororque_HwMm_132 larget_VehDyn_Per1_CoxEOT_HwDeg_132 larget_VehDyn_Per1_CoxEOT_HwDeg_132 larget_VehDyn_Per1_CoxEOT_HwDeg_132 larget_VehDyn_Per1_RehrWorque_HwMm_132 larget_Ric_Inst_AD_VehDyn_VehDyn_Per1_RehrWorque_HwMm_132 larget_Ric_Inst_AD_VehDyn_VehDyn_Per1_RehrWorque_HwDeg_132 larget_VehDyn_Per1_RehrWorque_HwDeg_132 larget_Ric_Inst_AD_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_132 larget_Ric_Inst_AD_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_132 larget_VehDyn_Per1_RomoriessAuthority_Uis_132 larget_VehDyn_Per1_RomoriessAuthority_Uis_132 larget_VehDyn_Per1_RehrWorque_HwDeg_132 larget_VehDyn_Per1_RehrWorque_HwDeg_132 larget_VehDyn_Per1_RehrWorque_HwDeg_132 larget_VehDyn_Per1_RehrWorque_HwDeg_132 larget_VehDyn_Per1_VehDyn_Per1_RehrWorque_HwDeg_132 larget_VehDyn_Per1_VehDyn_Per1_RehrWorque_HwDeg_132 larget_VehDyn_Per1_RehrWorque_HwDeg_132 larget_VehDyn_P				
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target_Rel_inst_Ap_VehDyn_VehDyn_Pert_Motor/veiCRF_MirRadps_IS2 target_Rel_inst_Ap_VehDyn_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_Rel_inst_Ap_VehDyn_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_Rel_inst_Ap_VehDyn_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_Rel_inst_Ap_VehDyn_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_Rel_inst_Ap_VehDyn_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_Rel_inst_Ap_VehDyn_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_Rel_inst_Ap_VehDyn_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_Rel_inst_Ap_VehDyn_VehDyn_Pert_TorqueCmdCRF_MirNm_IS2 target_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_VehDyn_Pert_Relh/Wos_HhoDe_IS2 target_VehDyn_Pert_TorqueCmdCRF_MirNm_IS2 target_VehDyn_Pert_TorqueCmdCRF_MirNm_IS2 target_VehDyn_Pert_TorqueCmdCRF_MirNm_IS2 target_VehDyn_Pert_Low_ISS_Peed_ISP2 target_VehDyn_Pert_TorqueCmdCRF_MirNm_IS2 target_VehDyn_Pert_Low_ISS_Peed_ISP2 target_VehDyn_Pert_Low_ISS_Peed_ISP2 target_VehDyn_Pert_Low_ISS_Peed_ISP2 target_VehDyn_Pert_Low_ISS_Peed_ISP2 target_VehDyn_Pert_ISS_Peed_ISP2 target_VehDyn_Pert_VehDyn_Pert_ISS_Peed_ISS_Peed_ISP2 target_VehDyn_Pert_VehDyn_Pert_VehDyn_ISP3 target_VehDyn_Pert_VehDyn_ISP3 target_VehDyn_ISP3				
target_Re_Inst_Ap_VehDyn-VehDyn_Per1_Rein-Voos_HivDog_132 target_VehDyn_Per1_SensoriessAuthority_Uis_132 target_VehDyn_Per1_TorqueCmdCRF_MitNm_132 target_VehDyn_Per1_TorqueCmdCRF_MitNm_132 target_VehDyn_Per1_TorqueCmdCRF_MitNm_132 target_VehDyn_Per1_TorqueCmdCRF_MitNm_132 target_VehDyn_Per1_TorqueCmdCRF_MitNm_132 target_VehDyn_Per1_Per1_SensoriessAuthority_Uis_132 target_VehDyn_Per1_Per1_SensoriessAuthority_Uis_132 target_VehDyn_Per1_TorqueCmdCRF_MitNm_132 target_VehDyn_Per1_TorqueCmdCRF_MitNm_132 target_VehDyn_Per1_VehicleSpeed_Kph_132 target_VehDyn_Per1_TorqueCmdCRF_MitNm_132 target_VehDyn_Per1_TorqueCmdCRF_M				
target_Re_Inst_Ap_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Re_Inst_Ap_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Re_Inst_Ap_VehDyn_Pert_VehicleSpeed_Kph_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Kph_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_CowEoT_HwDeg_Rs2_value 458.80017 target_VehDyn_Pert_CowEoT_HwDeg_Rs2_value 4518.80017 target_VehDyn_Pert_Mortorup_HwMm_f32_value 4518.80017 target_VehDyn_Pert_Mortorup_HwMm_f32_value 4518.80017 target_VehDyn_Pert_Mortorup_HwMm_f32_value 4518.80017 target_VehDyn_Pert_RelimPert_Ap_f32_value 4518.80017 target_VehDyn_Pert_Mortorup_HwMm_f32_value 4518.80017 target_VehDyn_Pert_RelimPert_Ap_f32_value 4500.80008 target_VehDyn_Pert_VehicleSpeed_Kph_f32_value 498.40015 target_VehDyn_Pert_VehicleSpeed_Kph_f32_value 498.40015 target_VehDyn_Pert_VehicleSpeed_Kph_f32_value 498.40015 target_VehDyn_AuthorntDetSpd_Mst.Filmert_ms_u32 242866176 2424866176 2424866176 2424866176 2424866176 2424866176 2424866176 2424866176 2449			. –	
target_Rel_inst_Ap_VehDyn.VehDyn_Pert_SensoriessHwPos_HwDeg_id2 target_Rel_inst_Ap_VehDyn.VehDyn.Pert_TorqueCmdCRR_Mithm in items target_VehDyn_Pert_Development target_VehDyn_Development ta				
target_Rte_Inst_Ap_VehDyn.Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.Per1_VehicleSpeedValid_Cnt_Igo target_Rte_Inst_Ap_VehDyn.Per1_VehicleSpeedValid_Cnt_Igo target_Rte_Inst_Ap_VehDyn.Per1_VehicleSpeed Kph_f32 target_VehDyn.Per1_VehicleSpeed Kph_f32 target_VehDyn.Per1_CwEOT_HwDeg_I32_value 518.830017 target_VehDyn.Per1_CwEOT_HwDeg_I32_value 904.164001 target_VehDyn.Per1_Motorvet.Per1_Wordue_HwIn_I32_value 5.17999983 target_VehDyn.Per1_Motorvet.Per1_MradpS_I32_value 2500.08008 target_VehDyn.Per1_Motorvet.Per1_MradpS_I32_value 2500.08008 target_VehDyn.Per1_NehideSpeedValid_Cnt_Igo_value 1.29999995 target_VehDyn.Per1_VehicleSpeedValid_Cnt_Igo_value 499.640015 target_VehDyn.Per1_VehicleSpeedValid_Cnt_Igo_value 499.640015 target_VehDyn.Per1_VehicleSpeedValid_Cnt_Igo_value 489.640015 target_VehDyn.Per1_VehicleSpeedValid_Cnt_Igo_value 489.640015 target_VehDyn_AllowHispdAuloCht_Cnt_M_Igo 0 0 0 0 0 0 0 0 0	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_U	Jls_f32	
target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Valid_Cnt_Igc target_Re_Inst_Ap_VehDyn_NehDyn_Per1_VehicleSpeed_Kph_132 target_VehDyn_Per1_CweCPT_HwDeg_132_Value 475.830017 target_VehDyn_Per1_CweCPT_HwDeg_132_Value 475.830017 target_VehDyn_Per1_CweCPT_HwDeg_132_Value 475.830017 target_VehDyn_Per1_InvTorque_HwNm_132_Value 475.830017 target_VehDyn_Per1_InvTorque_HwNm_132_Value 475.830017 target_VehDyn_Per1_InvTorque_HwNm_132_Value 475.830017 target_VehDyn_Per1_InvTorque_HwNm_132_Value 475.830017 target_VehDyn_Per1_VehicleSpeed_VehDeg_132_Value 475.830018 target_VehDyn_Per1_VehicleSpeed_Kph_132_Value 475.830018 target_VehDyn_Per1_CwehDeg_141_VehDeg_141_	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	vDeg_f32	
target_Rte_inst_Ap_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_CwEOT_HwDeg_f32_value 5-15.830017	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	lm_f32	
target_VehDyn_Per1_CoxEOT_HwDeg_132.value	target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_VehDyn_Per1_CwEOT_HwDeg_ri32.value	target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_PerI_HwTorque_HwNm_f32_value -5.17999983 target_VehDyn_PerI_Rell+WPos_HwDeg_f32_value -835.299983 target_VehDyn_PerI_Rell+WPos_HwDeg_f32_value -2500.08008 target_VehDyn_PerI_TorqueCmdCRF_MirNm_f32_value 1.29999995 target_VehDyn_PerI_VehicleSpeed_Kph_f32_value 0 Name Actual Value Expected Value Result VehDyn_AllocHiSpdAutoCntr_Cnt_M_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2242866176 2242866176 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948759 3174948759 3174948759 3174948759 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1991.5 1991.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004667 4004004667 VehDyn_AutoCntrHiSpd_M_str.RelH	target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-515.830017		
target_VehDyn_Perl_MotorVeiCRF_MtrRadpS_f32.value	target_VehDyn_Per1_CwEOT_HwDeg_f32.value	904.164001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32_value	target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.17999983		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32_value	target VehDyn Per1 MotorVelCRF MtrRadpS f32.value	-835.299988		
target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32.value 1.29999995 target_VehDyn_Pert_VehicleSpeedValld_Cnt_Igc_value 0 VehDyn_AltoChtr_VehicleSpeed_Kph_f32.value 499.640015 Name Actual Value Expected Value Result VehDyn_AltoChtrDetSpd_M_str.Timer1_mS_u32 2242866176 2242866176 VehDyn_AutoChtrDetSpd_M_str.Timer1_mS_u32 242866176 2242866176 VehDyn_AutoChtrDetSpd_M_str.Timer1_mS_u32 3174948759 VehDyn_AutoChtrDetSpd_M_str.Timer1_mS_u32 4991.5 1991.5 ± 0.009 VehDyn_AutoChtrDetSpd_M_str.Filter1Enable_Cht_Igc 0 0 0 VehDyn_AutoChtrDetSpd_M_str.Filter1Enable_Cht_Igc 0 0 0 VehDyn_AutoChtrDetSpd_M_str.Filter2Initialized_Cht_Igc 0 0 VehDyn_AutoChtrDetSpd_M_str.Filter2Initialized_Cht_Igc 0 0 VehDyn_AutoChtrHiSpd_M_str.Filter2Initialized_Cht_Igc 1 1 VehDyn_AutoChtrHiSpd_M_str.Filter2Initialized_Cht_Igc 4211268631 VehDyn_AutoChtrHiSpd_M_str.Filter2Initialized_Cht_Igc 4211268631 4211268631 VehDyn_AutoChtrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 to.009 VehDyn_AutoChtrHiSpd_M_str.Filter1Enable_Cht_Igc 0 0 VehDyn_AutoChtrHiSpd_M_str.Filter2Initialized_Cht_Igc 0				
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value				
Range VehDyn_Per1 VehicleSpeed_Kph_f32 value				
Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2242866176 2242866176 2242866176 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948759 3174948759 4981.5995 1991.5 ± 0.009 4981.9995 4981.9995 ± 0.009 4991				
VehDyn_AllowHiSpdAutoCntr_Cnt_M_igc 0 0 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2242866176 2242866176 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3174948759 3174948759 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1991.5 1991.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initalized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initali			Pour a etc d Webse	December
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VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_Uls_f32 3174948759 3174948759 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_Uls_f32 1991.5 1991.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_Uls_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fiiter1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_Uls_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_Uls_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCnt				~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1991.5 1991.5 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1988.19995 -1988.19995 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0	, - ,			
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VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.19995	-1988.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009	VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009	VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009	VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4004004657 4004004657 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009		1	1	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009		4004004657	4004004657	•
VehDyn_AutoCntrHiSpq_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 1991.19995 1991.19995 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009	, - ,			-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 -1438.30005 -1438.30005 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -2500.8999 -2500.8999 ± 0.009				-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009				
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009				-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009				
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009 ✓				-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948759 3174948759 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -2500.8999 -2500.8999 ± 0.009		ļ.		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2345892861 2345892861 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009				
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -2500.8999 -2500.8999 ± 0.009				
	· - · ·			~
VenDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32				7
	venDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	904.164001	904.164001	~
VehDyn_MinOffset_HwDeg_M_f32	-515.830017	-515.830017	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39988518	-5.39988518 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.216999993	0.216999993 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	442.329987	442.329987 ± 0.1	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 2.202 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	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	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 Igc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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_lgc	1
/ehDyn_AutoChtrHiSpd_M_str.Filter2Enable_Cht_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
, = , = = = = = = = = = = = = = = = = =	1
/ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	412
/ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.300003 10.1000004
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	
/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
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.01001
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.33999987e-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 0		
VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1270.94995		
VehDyn MinOffset HwDeg M f32	-591.51001		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472000014		
VehDyn_SLPHwAuth_Uls_M_f32	0.225999996		
VehDyn_SLPHwPos_HwDeg_M_f32	452.589996		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SysKinRatio_MtrDegpHwDeg_f32	63.8699989		
k_TravelXCDeadband_Uls_f32	31.1499996		
k_TravelXCHwAuthority_Uls_f32	0.224999994		
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_f3 target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32			
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_f3 target_VehDyn_Per1_MotorVelCRF_MtrRa		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target_VehDyn_Per1_RelHwPos_HwDeg_f	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos_H	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	E-manda d Walton	D14
Name VebDure Alleud liCod Auto Cote Cot M. Inc.	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc		I	
	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0 219286216	0 219286216	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0 219286216 2800	219286216	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	219286216		~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216 2800	219286216 2800 ± 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	219286216 2800	219286216 2800 ± 0.009 1991.09998 ± 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.Filter1Enable_Cnt_lgc	219286216 2800 1991.09998 1	219286216 2800 ± 0.009 1991.09998 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	219286216 2800 1991.09998 1	219286216 2800 ± 0.009 1991.09998 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	219286216 2800 1991.09998 1 1	219286216 2800 ± 0.009 1991.09998 ± 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 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	219286216 2800 1991.09998 1 1 1	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	219286216 2800 1991.09998 1 1 1 0 2269150976 54822322 2800.30005	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 0 2269150976 54822322 2800.30005 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	219286216 2800 1991.09998 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 0 2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	219286216 2800 1991.09998 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005 0	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 0 2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc	219286216 2800 1991.09998 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005 0	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 0 2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.Fiiter1Initialized_Cnt_lgc	219286216 2800 1991.09998 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005 0 0	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 0 2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_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	219286216 2800 1991.09998 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005 0 0 1	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 0 2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0	· · · · · · · · · · · · · · · · · · ·
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 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	219286216 2800 1991.09998 1 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005 0 0 1 2269150976 2760420810 -2400.01001 -1438.19995 0 1 1 1 0 1 0 1	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 1 0 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	
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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	219286216 2800 1991.09998 1 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005 0 0 1 2269150976 2760420810 -2400.01001 -1438.19995 0 1 1 1 0 1270.94995 1876.44995	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 1 0 2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 1 0 1270.94995 1876.44995	
VehDyn_AutoCntrDetSpd_M_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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.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_Initialize_Cnt_M_lgc VehDyn_Initialized_Cnt_M_lgc VehDyn_Initialized_Cnt_M_str.Pilter2Initialized_Cnt_lgc	219286216 2800 1991.09998 1 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005 0 0 1 2269150976 2760420810 -2400.01001 -1438.19995 0 1 1 1 0 1270.94995 1876.44995 1.49676108	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 1 0 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 1 1 1 0 1270.94995 1876.44995 1.49676108 ± 0.000009	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	219286216 2800 1991.09998 1 1 1 1 0 2269150976 54822322 2800.30005 -1988.30005 0 0 1 2269150976 2760420810 -2400.01001 -1438.19995 0 1 1 1 0 1270.94995 1876.44995	219286216 2800 ± 0.009 1991.09998 ± 0.009 1 1 1 1 0 2269150976 54822322 2800.30005 ± 0.009 -1988.30005 ± 0.009 0 0 1 1 2269150976 2760420810 -2400.01001 ± 0.009 -1438.19995 ± 0.009 0 1 1 1 0 1270.94995 1876.44995	



Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

est Step 2.203 (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	0
ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	457.200012
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.200008
ehDyn AutoCntrDetSpd M str.FiltPinTrg 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
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000395999989
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00093999998
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_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
	42.5999985
hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	29076
hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43868
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	54822322
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
	-1438.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00073999989
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	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.099998
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.099985
hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
hDyn_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
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.09998
hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00093999998
hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
hDyn_HiSpdLearnt_Cnt_M_lgc	1
hDyn_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_UIs_f32	-1.60000002





Name	Input Value		
VehDyn_SLPHwAuth_Uls_M_f32	0.234999999		
VehDyn_SLPHwPos_HwDeg_M_f32	-1600 0		
k_HiSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	88.4499969		
k_TravelXCDeadband_Uls_f32	34.2900009		
k TravelXCHwAuthority Uls 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_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target VehDyn Per1 HwTorque HwNm		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrR	tadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	/_Uls_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_M	trNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_	_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph	_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-531.27002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	893.026001		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.4000001		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1199.69995		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	2800.8999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.309998		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3533260288	3533260288	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	V
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.5	-1482.5 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	•
VehDyn_AutoCatrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	1988.40002	1988.40002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 3796740682	0 3796740682	~
			*
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	*
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682 2967684784	3796740682 2967684784	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3796740682 2967684784 2800.1001	3796740682 2967684784 2800.1001 ± 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	3796740682 2967684784 2800.1001 1950.09998	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 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	3796740682 2967684784 2800.1001 1950.09998 1	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 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 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	3796740682 2967684784 2800.1001 1950.09998 1 0	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 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	3796740682 2967684784 2800.1001 1950.09998 1 0 0	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 0.009 1 0 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 VehDyn_Initialize_Cnt_M_lgc	3796740682 2967684784 2800.1001 1950.09998 1 0 0	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 0.009 1 0 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.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	3796740682 2967684784 2800.1001 1950.09998 1 0 0 0	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 0.009 1 0 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 VehDyn_MaxOffset_HwDeg_M_f32	3796740682 2967684784 2800.1001 1950.09998 1 0 0 0 1 1 1 1 893.026001	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 0.009 1 0 0 0 1 1 1 893.026001	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	3796740682 2967684784 2800.1001 1950.09998 1 0 0 0 1 1 1 1 893.026001 -531.27002	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 0.009 1 0 0 0 1 1 1 893.026001 -531.27002	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	3796740682 2967684784 2800.1001 1950.09998 1 0 0 0 1 1 1 1 893.026001 -531.27002 -1.60182357	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 0.009 1 0 0 1 1 1 1 893.026001 -531.27002 -1.60182357 ± 0.000009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	3796740682 2967684784 2800.1001 1950.09998 1 0 0 0 1 1 1 1 893.026001 -531.27002	3796740682 2967684784 2800.1001 ± 0.009 1950.09998 ± 0.009 1 0 0 0 1 1 1 893.026001 -531.27002	· · · · · · · · · · · · · · · · · · ·

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•





Test Step 2.204 (Repeat Count = 1)	le ave
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
/ehDyn_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
, - ,	1
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.MtrVel_MtrRadpS_f32	56.099985
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_Uls_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
	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.2999992
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
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
VenDyn_HiSpdLearnt_Cnt_M_lgc	0
	1
VehDyn_Initialize_Cnt_M_lgc	
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_UIs_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
	g
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target VehDyn Per1 CwEOT HwDeg f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtr	RadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	g_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthori	ity_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_I	MtrNm f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kp		
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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M lgc	1	1	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	255468	255468	✓
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	328928812	328928812	_
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.140015	-753.140015 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	_
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	1	1	·
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	0	0	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	812314880	812314880	·
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.19995	1950.19995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.40002	1991.40002 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc	0	0	✓
VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	812314880	812314880	✓
VehDyn AutoCntrLoSpd M str.Timer2 mS u32	3174948759	3174948759	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1438.09998	-1438.09998 ± 0.009	·
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.19995	1885.19995 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc	1	1	
VehDyn HiSpdLearnt Cnt M Igc	0	0	✓
VehDyn Initialize Cnt M Igc	1	1	
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	1263.15002	1263.15002	
VehDyn_MinOffset_HwDeg_M_f32	899.01001	899.01001	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-14.7956057	-14.7956057 ± 0.00009	
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.244000003	0.244000003 ± 0.004	
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	1600	1600 ± 0.1	
goobyi_i or i_oonoonoon ini oo_i iwbog_loz.valuo		.000 ± 0.1	· · · · · · · · · · · · · · · · · · ·

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.205 (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	2.2999995	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.3000002	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532	

2014-09-19, 20:47:45+0530



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_UIs_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_VehDyn_Per1_SensorlessAuthority_Uls_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

2014-09-19, 20:47:45+0530



2014-09-19, 20:47:45+0530

VehDyn_Per1



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_HwDog_str.K_Uls_f32	0.000745999976 1900.40002		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 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_AutoCotrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32	-1988.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	7.41999975e-005 -1900.19995		
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_132 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_UIs_f32	0.000945999986		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_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	-1255.34998		
VehDyn_MinOffset_HwDeg_M_f32	-645.27002		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475999987		
VehDyn_SLPHwAuth_Uls_M_f32	0.261999995		
VehDyn_SLPHwPos_HwDeg_M_f32	1456.47998		
k_HiSpdVDAuthority_UIs_f32	0		
k_LoSpdVDAuthority_Uls_f32 k_SysKinRatio_MtrDegpHwDeg_f32	52.7000008		
k TravelXCDeadband Uls f32	43.7099991		
k TravelXCHwAuthority Uls 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_HwD	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDe	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_Hw	/Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_Hw	vDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAut		
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_TorqueCmdCF		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_	_Kpn_t32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-554.429993 876.31897		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.73000002		
target_venDyn_Per1_mwTorque_mwNm_isz.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-5.75000002 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	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948759	3174948759	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.1001	-2500.1001 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1950.5	1950.5 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc	1	1	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$

2014-09-19, 20:47:45+0530





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995	-1887.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.40002	1900.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.09998	-1988.09998 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	876.31897	876.31897	~
VehDyn_MinOffset_HwDeg_M_f32	-554.429993	-554.429993	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99947119	-6.99947119 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.261999995	0.261999995 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1456.47998	1456.47998 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.5
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00039999999
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1885.5
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5999985
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1753.30005
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.5
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000487999991
/ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0

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Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1988.19995	1988.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1117.89001	-1117.89001	✓
VehDyn_MinOffset_HwDeg_M_f32	-658.710022	-658.710022	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29443407	6.29443407 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.270999998	0.270999998 ± 0.004	~
target VehDyn Per1 SensorlessHwPos HwDeg f32.value	-147.25	-147.25 ± 0.1	✓

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte_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
/ehDyn 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
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	456.5
/ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000400999998
VehDyn 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 Igc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.3300018
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.099985
/ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	12.2299995
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
/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
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	1991.30005

2014-09-19, 20:47:45+0530



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 PinTrgSV 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		
k_HiSpdVDAuthority_UIs_f32	0		
k_LoSpdVDAuthority_UIs_f32	0		
k SysKinRatio MtrDegpHwDeg f32	25.4500008		
k_TravelXCDeadband_Uls_f32	49.9900017		
k_TravelXCHwAuthority_Uls_f32	0.304500014		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504		
target_GetSystemTime_mS_u32_CurrentTime	1759885568		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_Hv	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_Hw	V=	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_H	HwNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_H	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessA	authority_Uls_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessH	lwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmd0	CRF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpee		
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		
	1991.54004		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-4.5		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value			
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75.0699997		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	3589476708	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.5	456.5 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	142.199997	142.199997 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	935.200012	935,200012 ± 0,0009	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.40002	-1482.40002 ± 0.0009	
VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	-1462.40002	-1462.40002 ± 0.009	
7 - 1			
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32		109643620	•
	109643620		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004657	4004004657	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4004004657 1991.30005	1991.30005 ± 0.009	-
	4004004657		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	4004004657 1991.30005	1991.30005 ± 0.009	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	4004004657 1991.30005 1900.30005	1991.30005 ± 0.009 1900.30005 ± 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	4004004657 1991.30005 1900.30005 0	1991.30005 ± 0.009 1900.30005 ± 0.009 0	
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	4004004657 1991.30005 1900.30005 0	1991.30005 ± 0.009 1900.30005 ± 0.009 0	
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	4004004657 1991.30005 1900.30005 0 1	1991.30005 ± 0.009 1900.30005 ± 0.009 0 1	•
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_HiSpdLearnt_Cnt_M_lgc	4004004657 1991.30005 1900.30005 0 1 1 1	1991.30005 ± 0.009 1900.30005 ± 0.009 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	4004004657 1991.30005 1900.30005 0 1 1 1 1	1991.30005 ± 0.009 1900.30005 ± 0.009 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.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	4004004657 1991.30005 1900.30005 0 1 1 1 1 1 0	1991.30005 ± 0.009 1900.30005 ± 0.009 0 1 1 1 1 1 0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	4004004657 1991.30005 1900.30005 0 1 1 1 1 0 865.18103	1991.30005 ± 0.009 1900.30005 ± 0.009 0 1 1 1 1 1 0 865.18103	
VehDyn_AutoCntrLoSpd_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	4004004657 1991.30005 1900.30005 0 1 1 1 1 1 0	1991.30005 ± 0.009 1900.30005 ± 0.009 0 1 1 1 1 1 0	





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-154.25	-154.25 ± 0.1	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name	Input Value
	•
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	383750110
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	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
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_W_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
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
/ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
/ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
/ehDyn_HiSpdLearnt_Cnt_M_lgc	1
/ehDyn_Initialize_Cnt_M_lgc	1
/ehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1243.65002
VehDyn_MinOffset_HwDeg_M_f32	-685.590027
VehDyn_PinTrqSV_M_str.SV_UIs_f32	14





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_TravelXCHwAuthority_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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3:	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_I	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrN	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	nt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948759	3174948759	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3174948759 -2500.3999	3174948759 -2500.3999 ± 0.009	~
			y
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.3999 -1900.40002 0	-2500.3999 ± 0.009 -1900.40002 ± 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	-2500.3999 -1900.40002 0	-2500.3999 ± 0.009 -1900.40002 ± 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-2500.3999 -1900.40002 0 0	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 0	\rightarrow \right
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.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	-2500.3999 -1900.40002 0 0 1	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 0 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	-2500.3999 -1900.40002 0 0 1 1 1 1662097408	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 0 1 1 1662097408	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	-2500.3999 -1900.40002 0 0 1 1 1 1662097408 2760420810	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 0 1 1 1662097408 2760420810	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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	-2500.3999 -1900.40002 0 0 1 1 1 1662097408 2760420810 -888.299988	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 0 1 1 1662097408 2760420810 -888.299988 ± 0.0009	· · · · · · · · · · · · · · · · · · ·
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	-2500.3999 -1900.40002 0 0 1 1 1 1662097408 2760420810 -888.299988 -753.200012 0 1 1 1 0 164464918 54822322 -2000.14001 -1900.40002 1 0 0 1 1 1 1 1	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 1 1 1 1662097408 2760420810 -888.299988 ± 0.0009 0 1 1 1 0 164464918 54822322 -2000.14001 ± 0.009 1 0 0 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·
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VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3_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 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_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc	-2500.3999 -1900.40002 0 0 1 1 1 1662097408 2760420810 -888.299988 -753.200012 0 1 1 1 0 0 164464918 54822322 -2000.14001 -1900.40002 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 1 1 1 1662097408 2760420810 -888.299988 ± 0.0009 -753.200012 ± 0.0009 0 1 1 1 0 0 164464918 54822322 -2000.14001 ± 0.009 1 0 0 1 1 1 1 1 1 1 1 1 1-1127.62805 -685.590027	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.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.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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_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.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	-2500.3999 -1900.40002 0 0 1 1 1 1662097408 2760420810 -888.299988 -753.200012 0 1 1 0 164464918 54822322 -2000.14001 -1900.40002 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 1 1 1 1662097408 2760420810 -888.299988 ± 0.0009 -753.200012 ± 0.0009 0 1 1 1 0 0 164464918 54822322 -2000.14001 ± 0.009 1 0 0 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.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3_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 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_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc	-2500.3999 -1900.40002 0 0 1 1 1 1662097408 2760420810 -888.299988 -753.200012 0 1 1 1 0 0 164464918 54822322 -2000.14001 -1900.40002 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2500.3999 ± 0.009 -1900.40002 ± 0.009 0 1 1 1 1662097408 2760420810 -888.299988 ± 0.0009 -753.200012 ± 0.0009 0 1 1 1 0 0 164464918 54822322 -2000.14001 ± 0.009 1 0 0 1 1 1 1 1 1 1 1 1 1-1127.62805 -685.590027	· · · · · · · · · · · · · · · · · · ·

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 ChecknointReached	1	Rte Call VehDvn Per1 CP1 ChecknointReached	1	_





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	63.0999985
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	86.099985
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	0 412.700012
VehDyn_AutoCntrl_oSpd_M_str.MtrVel_MtrRadpS_f32	106.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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 Uls 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_Uls_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_TravelXCHwAuthority_Uls_f32	0.328999996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560
	0407400000
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32

2014-09-19, 20:47:45+0530



Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target VehDyn Per1 MotorVelCRF Mtr	RadpS f32	
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target VehDyn Per1 TorqueCmdCRF I		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kpl		
target VehDyn Per1 CcwEOT HwDeg f32.value	-585.309998		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	854.04303		
target VehDyn Per1 HwTorque HwNm f32.value	6.4099985		
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	Actual Value	Expected Value	Result
		·	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476708	3589476708	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.5	2800.5 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	v
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	V
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1988.40002	-1988.40002 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810	2760420810	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.5	-2400.5 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1438.30005	-1438.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	-1239.75	-1239.75	~
VehDyn_MinOffset_HwDeg_M_f32	1814.71997	1814.71997	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50234127	1.50234127 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976	0.899999976 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-411.630005	-411.630005 ± 0.1	~

Τ			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte Call VehDyn Per1 CP1 CheckpointReached	1	Rte Call VehDyn Per1 CP1 CheckpointReached	1	✓



Test 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

2014-09-19, 20:47:45+0530



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	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 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_Igc	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_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	22	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_HwTorque_HwNm_fa target_VehDyn_Per1_MotorVelCRF_MtrRa		
target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32	target VehDyn Per1 RelHwPos HwDeg	. –	
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target_VehDyn_Per1_SensorlessAuthority_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mti		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph		
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200 -3200	-3200 ± 0.009 -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	-3200 -3200 0	-3200 ± 0.009 -3200 ± 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	-3200 -3200 0 0	-3200 ± 0.009 -3200 ± 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 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-3200 -3200 0 0	-3200 ± 0.009 -3200 ± 0.009 0 0	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-3200 -3200 0 0	-3200 ± 0.009 -3200 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·

2014-09-19, 20:47:45+0530



Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_MaxOffset_HwDeg_M_f32	360	360	~
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	•
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

Τ			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	-
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Name Name	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	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_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	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 HwDeg str.K Uls f32	0.00125584798
'ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc	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

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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	1		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1 1440.10999		
VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	2840		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584798		
VehDyn SLPHwAuth Uls M f32	1		
VehDyn_SLPHwPos_HwDeg_M_f32	1600		
k_HiSpdVDAuthority_Uls_f32	1		
k_LoSpdVDAuthority_Uls_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_f3		
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_f3		
target_Rte_Inst_Ap_VenDyn.VenDyn_Per1_HwTorque_HwNm_t32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_venDyn_Per1_HwTorque_HwNm_t. target_VenDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_t		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32	target VehDyn Per1 SensorlessAuthority		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_H	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_t	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	512		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	- 100uii
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc			~
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1 4294967295	1 1 4294967295	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1 4294967295 4294967295	1 1 4294967295 4294967295	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1 4294967295 4294967295 3200	1 1 4294967295 4294967295 3200 ± 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	1 4294967295 4294967295 3200 3200	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 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	1 4294967295 4294967295 3200 3200 0	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 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	1 4294967295 4294967295 3200 3200 0 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 4294967295 4294967295 3200 3200 0	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 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	1 4294967295 4294967295 3200 3200 0 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1 4294967295 4294967295 3200 3200 0 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 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.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1 4294967295 4294967295 3200 3200 0 1 1 1 1 4294967295	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 1 4294967295	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 3200 ± 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_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 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 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.Filter1Enable_Cnt_lgc	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 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.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	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 1 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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 1 1 1 1 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.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	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1 1 1 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 1 1 1 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.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	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1 1 1 1 1 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 1 1 1 1 1 1 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1 1 1 1 1 1 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 1 1 1 1 1 1 1 1 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 VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1 1 1 1 1 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 1 1 1 1 1 1 1 1 1	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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_AutoCntrLoSpd_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.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Pnitalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	1 4294967295 4294967295 3200 3200 0 1 1 1 4294967295 4294967295 4294967295 3200 3200 1 1 1 1 1 1 1 1 1 2 1 1 1 1 2 1 1 1 2 1 2 4 4 4 4	1 1 4294967295 4294967295 3200 ± 0.009 3200 ± 0.009 0 1 1 1 4294967295 4294967295 4294967295 3200 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 2 1 1 2 2840	





Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	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	125.09998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3,7999995
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	10.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998
	0.000449999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2600.1001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000760000002
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	200.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32	-2400.1001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.49999994e-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	369.15799
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00025099999





Name	Input Value		
VehDyn SLPHwAuth Uls M f32	0.986999989		
VehDyn_SLPHwPos_HwDeg_M_f32	-1589.15002		
k_HiSpdVDAuthority_Uls_f32	0.899999976		
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_Hw	Deg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwD	eg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_H	target_VehDyn_Per1_RelHwPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHv	vPos_HwDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdC	RF_MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeed	IValid_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed	I_Kph_f32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1950.09998 2600.1001	1950.09998 ± 0.009 2600.1001 ± 0.009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	
	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	
VehDyn AutoCntrhiSpd_M_str.Finer2finitialized_Cnt_igc VehDyn AutoCntrLoSpd M str.Timer1 mS u32	4211268631	4211268631	_
, _ ,	4211200031		
VehDvn_AutoCntrl oSpd_M_str_Timer2_mS_u32	274107514	274107514	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Llls_f32	274107514	274107514	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.1001	-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 -1482.09998	-2400.1001 ± 0.009 -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	-2400.1001 -1482.09998 1	-2400.1001 ± 0.009 -1482.09998 ± 0.009	~
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.Filter2Enable_Cnt_lgc	-2400.1001 -1482.09998 1	-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_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	-2400.1001 -1482.09998 1	-2400.1001 ± 0.009 -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_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc	-2400.1001 -1482.09998 1 0	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0	
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc	-2400.1001 -1482.09998 1 0 0	-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_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 VehDyn_Initialize_Cnt_M_Igc	-2400.1001 -1482.09998 1 0 0 0	-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_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc VehDyn_LoSpdLearnt_Cnt_M_Igc	-2400.1001 -1482.09998 1 0 0 0 1 1	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 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_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 VehDyn_Initialize_Cnt_M_Igc	-2400.1001 -1482.09998 1 0 0 0 1 1 1 1 375.23999	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 0 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_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn_Initialize_Cnt_M_Igc VehDyn_LoSpdLearnt_Cnt_M_Igc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32	-2400.1001 -1482.09998 1 0 0 0 1 1	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 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_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 VehDyn_Initialize_Cnt_M_Igc VehDyn_LoSpdLearnt_Cnt_M_Igc VehDyn_MaxOffset_HwDeg_M_f32	-2400.1001 -1482.09998 1 0 0 0 1 1 1 1 375.23999 -1438.15002	-2400.1001 ± 0.009 -1482.09998 ± 0.009 1 0 0 0 1 1 1 1 375.23999 -1438.15002	

T					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~	
Autocenter_f32	1	Autocenter_f32	1	~	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~	



Test Step 3.4 (Repeat Count = 1) Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	16.2999992
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3000002
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51999995e-006
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017
/ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
/ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.099985
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.5
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43128
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58869
/ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452000007
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000782000017
/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.
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.399994
/ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.399994
/ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
/ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
/ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
/ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
/ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
/ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.54000006e-005
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017
/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	-374.149994
/ehDyn_MinOffset_HwDeg_M_f32	-1432.46997
/ehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.000251999998
/ehDyn_SLPHwAuth_Uls_M_f32	0.972000003
/ehDyn_SLPHwPos_HwDeg_M_f32	-1578.89001
_HiSpdVDAuthority_Uls_f32	0.349999994
	0.88999986
z_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
z_TravelXCDeadband_Uls_f32	2.69000006
z_TraveIXCHwAuthority_UIs_f32	0.0166250002
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
rarget_GetSystemTime_mS_u32_CurrentTime	1050692864
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





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_I	MtrNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid	I_Cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kpl	n_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_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	512		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812	328928812	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.19995	-2400.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	328928812	328928812	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2800.19995	2800.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1900.19995	1900.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_Igc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	-374.149994	-374.149994	~
VehDyn_MinOffset_HwDeg_M_f32	-1432.46997	-1432.46997	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20166588	3.20166588 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.88999986	0.889999986 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 3.5 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_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	

2014-09-19, 20:47:45+0530



Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
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
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.53000007e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000653999974
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	456.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	64.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
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	2760420810
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32	0.000859000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDog_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
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1 0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.299988
	84.1999969
VehDyn_AutoCntrloSpd_M_str.VehSpd_kph_f32	5.30000019
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	25.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrLoSpd_M_str.TimerTThresh_ms_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_ms_u16	58869
	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
	1885.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.58e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_Uls_f32	-2400.1001
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000653999974
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc	1
VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Iqc	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_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	-5.400001 -5.400001
VehDyn PinTrqSV_M_str.K Uls f32	-5.4000001 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	0.800000026
k_SysKinRatio_MtrDegpHwDeg_f32	86.199969
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_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthonity_0is_132 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	-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





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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420810	2760420810	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1887.19995	-1887.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2800.1001	2800.1001 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1885.09998	1885.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.1001	-2400.1001 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	379.141998	379.141998	~
VehDyn_MinOffset_HwDeg_M_f32	574.469971	574.469971	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-5.40085077	-5.40085077 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.660000026	0.660000026 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.6 (Repeat Count = 1)	✓
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530

VehDyn_Per1



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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	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.5		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.8000031		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.8000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188		
VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32	2345892861		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3589476708 425.200012		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	2.78000007e-005		
VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV_HwDeg_str.R_0Is_132	1988.30005		
VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFitt2SV_HwDeg_str.X_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 Igc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn MaxOffset HwDeg M f32	404.10199		
VehDyn_MinOffset_HwDeg_M_f32	-1392.36597		
VehDyn_PinTrqSV_M_str.SV_UIs_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999985		
VehDyn_SLPHwAuth_Uls_M_f32	0.882000029		
VehDyn_SLPHwPos_HwDeg_M_f32	-1517.32996		
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_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_h		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	rNm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_	<u>f</u> 32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1394.32996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	451.588989		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.30000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.455994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.100006		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	35.8899994		
Name	Actual Value	Expected Value	Resu
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892861	2345892861	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476708	3589476708	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012	425.200012 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005	1988.30005 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	

 $VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc$





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2000.19995	-2000.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1991.30005	1991.30005 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476708	3589476708	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	425.200012	425.200012 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1988.30005	1988.30005 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	451.588989	451.588989	~
VehDyn_MinOffset_HwDeg_M_f32	-1394.32996	-1394.32996	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.79356	17.79356 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.882000029	0.882000029 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1517.32996	-1517.32996 ± 0.1	~

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	•
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Name Same	Input Value
OtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
/ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.299988
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.7000001e-006
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995
ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000688
ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196
ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1988.19995
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777799985
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.200012
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
/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	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 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	753.099976		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3.26000008e-005 -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_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_Uls_f32	1		
k_LoSpdVDAuthority_UIs_f32	0.800000012		
k_SysKinRatio_MtrDegpHwDeg_f32	96.5		
k_TravelXCDeadband_Uls_f32	28.6100006		
k_TraveIXCHwAuthority_Uls_f32	0.038674999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728		
target_GetSystemTime_mS_u32_CurrentTime	2269150976	700	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_t		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_Mtr target_VehDyn_Per1_RelHwPos_HwDe	. –	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VenDyn_Per1_ReinwPos_nwDe		
target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32	target_VehDyn_Per1_SensorlessHwPos		
target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32	target_VehDyn_Per1_TorqueCmdCRF_l		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpeedValid	_	
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32	target_VehDyn_Per1_VehicleSpeed_Kp		
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	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	~
		004500004	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2345892861 -1988.19995	-1988.19995 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2345892861 -1988.19995 -753.200012	-1988.19995 ± 0.009 -753.200012 ± 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	2345892861 -1988.19995 -753.200012 0	-1988.19995 ± 0.009 -753.200012 ± 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	2345892861 -1988.19995 -753.200012 0	-1988.19995 ± 0.009 -753.200012 ± 0.0009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	2345892861 -1988.19995 -753.200012 0 0	-1988.19995 ± 0.009 -753.200012 ± 0.0009 0 0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	2345892861 -1988.19995 -753.200012 0 0 1	-1988.19995 ± 0.009 -753.200012 ± 0.0009 0 0 1	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	2345892861 -1988.19995 -753.200012 0 0	-1988.19995 ± 0.009 -753.200012 ± 0.0009 0 0	· · · · · · · · · · · · · · · · · · ·





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	753.099976	753.099976 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.19995	-1482.19995 ± 0.0009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_MaxOffset_HwDeg_M_f32	582.473022	582.473022	~
VehDyn_MinOffset_HwDeg_M_f32	-1319.20996	-1319.20996	~
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-1.60149491	-1.60149491 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.800000012	0.800000012 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	•

lame	Input Value
OtrmnElapsedTime mS u32(ElapsedTime)	target DtrmnElapsedTime mS u32 ElapsedTime
GetSystemTime mS u32(CurrentTime)	target GetSystemTime mS u32 CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn
/ehDyn AllowHiSpdAutoCntr Cnt M lqc	1
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.099999
/ehDyn_AutoOntrDetSpd_M_str.VehSpd_kph_f32	86.099985
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
ehDyn_AutoChtrDetSpd_M_str.ChtrWindow_HwDeg_f32	25.1000004
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
· - ·	31368
ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	
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_lgc	1
ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.1999969
ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	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 Igc	0
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc	1
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.900001
ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32	4.900001
ehDyn AutoCntrLoSpd_M_str.CntrWindow HwDeg f32	25.7999992
ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
ehDyn_AutoCntrLoSpd_M_str.TimerThresh_mS_u16	31368
enbyn_AutoCntrLoSpd_M_str.Timer2 Threst_ms_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
/enDyn_AutoCntrLoSpd_M_str.Timer1_ms_u32 /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_UIs_f32	8.89999962		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000368000008		
VehDyn_SLPHwAuth_Uls_M_f32	0.296999991		
VehDyn_SLPHwPos_HwDeg_M_f32	-1117.18994 1		
k_HiSpdVDAuthority_UIs_f32 k_LoSpdVDAuthority_UIs_f32	0		
_ :	53.2999992		
k_SysKinRatio_MtrDegpHwDeg_f32	67.4899979		
k_TravelXCDeadband_Uls_f32			
k_TravelXCHwAuthority_UIs_f32	0.0717500001 1568734208		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984		
target_GetSystemTime_mS_u32_CurrentTime target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32	target VehDyn Per1 CcwEOT HwDeg	f32	
target_Rte_Inst_Ap_venDyn.VenDyn_Per1_CcwEO1_HwDeg_f32 target_Rte_Inst_Ap_VenDyn.VenDyn_Per1_CwEOT_HwDeg_f32		_	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_CwEOT_HwDeg_ target_VehDyn_Per1_HwTorque_HwNn		
target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32	target_VehDyn_Per1_MotorVelCRF_Mt		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDe	· -	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthor		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_VehicleSpeedVali	_	
target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32			
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	target_VehDyn_Per1_VehicleSpeed_Kp	11_132	
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	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	35.8199997		
Name	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	1	1	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892861	2345892861	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2343692001		
VenDyn_Autoonabetopa_w_str.Neiriwr osi iarrov_nwbeg_str.ov_ois_ioz	-753 400024		
VehDvn_AutoCntrDetSnd_M_str_RelHwPosFilt2SV_HwDeg_str_SV_Llls_f32	-753.400024 -1900.30005	-753.400024 ± 0.0009	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str_Filter1Enable_Cnt_loc	-1900.30005	-753.400024 ± 0.0009 -1900.30005 ± 0.009	,
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	-1900.30005 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009	•
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	-1900.30005 1 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1	y
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	-1900.30005 1 1 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1	· ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	-1900.30005 1 1 1 0	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	-1900.30005 1 1 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	-1900.30005 1 1 1 0 800969984 3796740682	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984	· · · · · · · · · · · · · · · · · · ·
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	-1900.30005 1 1 1 0 800969984	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682	· · · · · · · · · · · · · · · · · · ·
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	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_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	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 \pm 0.009 753.400024 \pm 0.0009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_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	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 \pm 0.009 753.400024 \pm 0.0009 0 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_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	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 \pm 0.009 753.400024 \pm 0.0009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 0 1 800969984	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984	
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	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861	
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.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	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 1 800969984 2345892861 -753.400024 ± 0.0009	
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	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1900.30005 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 800969984 3796740682 1900.19995 ± 0.009 753.400024 ± 0.0009 0 1 800969984 2345892861 -753.400024 ± 0.0009 -1900.30005 ± 0.009 0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	-1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 0 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_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.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.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	-1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1	$\begin{array}{c} -753.400024 \pm 0.0009 \\ -1900.30005 \pm 0.009 \\ 1 \\ 1 \\ 1 \\ 0 \\ 800969984 \\ 3796740682 \\ 1900.19995 \pm 0.009 \\ 753.400024 \pm 0.0009 \\ 0 \\ 0 \\ 1 \\ 800969984 \\ 2345892861 \\ -753.400024 \pm 0.0009 \\ -1900.30005 \pm 0.009 \\ 0 \\ 1 \\ 1 \\ 1 \\ \end{array}$	· · · · · · · · · · · · · · · · · · ·
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.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	-1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 1 0 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_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	-1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1 1 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 1 0 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	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc	-1900.30005 1 1 1 1 0 800969984 3796740682 1900.19995 753.400024 0 0 1 800969984 2345892861 -753.400024 -1900.30005 0 1 1 1 1 1 1 0 1	-753.400024 ± 0.0009 -1900.30005 ± 0.009 1 1 1 1 0 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 1 1 0 1	





Name	Actual Value	Expected Value	Result
	110111111111111111111111111111111111111	Process of the second	Result
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.8933773	8.8933773 ± 0.000009	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0717500001	0.0717500001 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	856.410034	856.409973 ± 0.1	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

est Step 3.9 (Repeat Count = 1)	
lame	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	0
ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.7999992
ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.800003
ehDyn_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
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	148.5
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
ehDyn_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.FiltPinTrq_HwNm_f32	16.1000004
ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.200012
ehDyn_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.K_Uls_f32	0.000904000015
ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.0200005
ehDyn AutoCntrLoSpd M str.VehSpd kph f32	166.119995
ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.0199998
ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1199999
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 HwDeg str.K Uls f32	4.98000009e-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.Filter2Enable_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_igc	0
· - ·	1
ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
ehDyn_HiSpdLearnt_Cnt_M_lgc	
ehDyn_Initialize_Cnt_M_lgc	1





Name	Input Value		
VehDyn_MaxOffset_HwDeg_M_f32	678.661987		
VehDyn_MinOffset_HwDeg_M_f32	-1024.74597		
VehDyn_PinTrqSV_M_str.SV_Uls_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_UIs_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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRad	dpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_	Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_Hv	wDeg_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mtrl	Nm_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_C	cnt_lgc	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f3	32	
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	Actual Value	Francisco d'Alban	
Name	Actual Value	Expected Value	Result
	0	0	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc		· ·	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0 1117112832	0 1117112832	~
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	0 1117112832 2760420810	0 1117112832 2760420810	*
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	0 1117112832 2760420810 148.5	0 1117112832 2760420810 148.5 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0 1117112832 2760420810 148.5 -1438.19995	0 1117112832 2760420810 148.5 ± 0.0009 -1438.19995 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0 1117112832 2760420810 148.5 -1438.19995	0 1117112832 2760420810 148.5 ± 0.0009 -1438.19995 ± 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 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0 1117112832 2760420810 148.5 -1438.19995 0	0 1117112832 2760420810 148.5 ± 0.0009 -1438.19995 ± 0.009 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0 1117112832 2760420810 148.5 -1438.19995 0	0 1117112832 2760420810 148.5 ± 0.0009 -1438.19995 ± 0.009 0 1	· · · · · · · · · · · · · · · · · · ·
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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.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Splable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Splatle_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0 1117112832 2760420810 148.5 -1438.19995 0 0 1 1 1 2553156835 2967684784 456.200012 -3200 1 1 1 1 0 4211268631 2760420810 148.5 -1438.19995 1 0 0 0 1 1 1 1 1 1 -937.125977	0 1117112832 2760420810 148.5 ± 0.0009 -1438.19995 ± 0.009 0 1 1 2553156835 2967684784 456.200012 ± 0.0009 -3200 ± 0.009 1 1 1 0 4211268631 2760420810 148.5 ± 0.0009 -1438.19995 ± 0.009 1 0 0 1 1 1 1 1 -937.125977	· · · · · · · · · · · · · · · · · · ·
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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.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 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.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc	0 1117112832 2760420810 148.5 -1438.19995 0 0 1 1 1 2553156835 2967684784 456.200012 -3200 1 1 1 1 0 4211268631 2760420810 148.5 -1438.19995 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1117112832 2760420810 148.5 ± 0.0009 -1438.19995 ± 0.009 0 1 1 1 2553156835 2967684784 456.200012 ± 0.0009 1 1 1 1 0 4211268631 2760420810 148.5 ± 0.0009 -1438.19995 ± 0.009 1 0 0 1 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.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.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Spit1Sty_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1Sty_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1Sty_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1Sty_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1Sty_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1Sty_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1Sty_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1DetSpit1Sty_HwDeg_str.Sv_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter2DetSpit1Sty_HwDeg_Str.Sv_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter2DetSpit1Sty_HwDeg_Act_fylice_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2DetSpit1Sty_HwDeg_Act_fylice_Cnt_lgc VehDyn_AutoC	0 1117112832 2760420810 148.5 -1438.19995 0 0 1 1 1 2553156835 2967684784 456.200012 -3200 1 1 1 1 0 4211268631 2760420810 148.5 -1438.19995 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1117112832 2760420810 148.5 ± 0.0009 -1438.19995 ± 0.009 0 1 1 1 2553156835 2967684784 456.200012 ± 0.0009 -3200 ± 0.009 1 1 1 1 0 4211268631 2760420810 148.5 ± 0.0009 -1438.19995 ± 0.009 1 0 0 1 1 1 1 1 1 -937.125977 -1024.74597	· · · · · · · · · · · · · · · · · · ·

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓



Test Step 3.10 (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	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.1399994 86.099985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 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_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216 1.10000002
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	1.10000002 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_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.3000019 86.199969
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 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_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	1 752 544002
VehDyn_MaxOffset_HwDeg_M_f32	753.541992 -924.486023
VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32	-924.480023 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_UIs_f32	0
k_LoSpdVDAuthority_UIs_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	89.9000015
k_TravelXCHwAuthority_Uls_f32	0.109724998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32





Name	Input Value		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_	f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority	_Uls_f32	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_F	HwDeg_f32	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_Mt	rNm_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	-6.03999996		
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	Actual Value	Expected Value	Result
VehDyn AllowHiSpdAutoCntr Cnt M Igc	0	0	~
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2728878080	2728878080	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	328928812	328928812	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32	-753.799988	-753.799988 ± 0.0009	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32	-1900.19995	-1900.19995 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc	0	0	-
VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc	0	0	✓
VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.299988	-753.299988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1900.19995	-1900.19995 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892861	2345892861	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2500.19995	-2500.19995 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2400.3999	-2400.3999 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	-241.620972	-241.621002	~
VehDyn_MinOffset_HwDeg_M_f32	-924.486023	-924.486023	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19633675	3.19633675 ± 0.000009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 3.11 (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	

2014-09-19, 20:47:45+0530



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	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 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	10.6999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476708
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420810
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2400.19995 7.50000034005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005 -1438.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_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	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_Uls_f32	0.89999976
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997
k_TravelXCDeadband_Uls_f32	3.38000011
k_TravelXCHwAuthority_Uls_f32	0.212624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
torrest Dte Inst An VohDum Veli Dum Deed Const. 1 11 D. 11 D.	target_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_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_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	

VehDyn_Per1

2014-09-19, 20:47:45+0530



Name Input Value

2014-09-19, 20:47:45+0530



·-			
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_UIs_f32	-3200 2.51000006e-006		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 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_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-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 VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn LoSpdLearnt Cnt M Igc	1		
VehDyn_MaxOffset_HwDeg_M_f32	280		
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		
k_HiSpdVDAuthority_Uls_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_f3		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRac		
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_	-	
	target_VehDyn_Per1_SensorlessHwPos_H		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc	target_VehDyn_Per1_TorqueCmdCRF_Mtrl target_VehDyn_Per1_VehicleSpeedValid_C	_	
target_Rte_Inst_Ap_venDyn_VenDyn_Per1_venicleSpeed_Valid_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 -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	180		
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		
	Actual Value	Expected Value	Resul
Name	Actual Value		
Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	•
		1 0	•
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1		





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	-
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	-
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	-
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	-
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	•
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	-
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	•
VehDyn_Initialize_Cnt_M_lgc	1	1	-
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	•
VehDyn_MaxOffset_HwDeg_M_f32	180	180	-
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	-
VehDyn_PinTrqSV_M_str.SV_UIs_f32	-18.7999992	-18.7999992 ± 0.00009	-
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	•
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	-

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	~
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

Test Step 3.13 (Repeat Count = 1)	√
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_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

2014-09-19, 20:47:45+0530



Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-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_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0		
VehDyn AutoCntrLoSpd M str.VehSpd kph f32	0		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51000006e-006		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32	-3200 2.51000006e-006		
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_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_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	2	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRa		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessAuthority_	-	
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_SensorlessHwPos_H target_VehDyn_Per1_TorqueCmdCRF_Mtr		
target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc	target_VehDyn_Per1_VehicleSpeedValid_0	_	
target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32	target VehDyn Per1 VehicleSpeed Kph f		
target VehDyn Per1 CcwEOT HwDeg f32.value	-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	I=	1
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	· ·
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	Ž
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	_
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	·
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	V
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	





Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200 ± 0.009	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	~
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	~
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	~
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	~
VehDyn_Initialize_Cnt_M_lgc	1	1	~
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	~
VehDyn_MaxOffset_HwDeg_M_f32	360	360	~
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	~
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	~
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	~
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	~
Autocenter_f32	1	Autocenter_f32	1	~
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	~
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	~

2014-09-19, 20:48:41+0530





 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	\$(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	
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd	
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl	

2014-09-19, 20:48:41+0530

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		
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		
Rte_Inst_Ap_VehDyn target_Rte_Inst_Ap_VehDyn			
target_Rte_Inst_Ap_VehDyn.Pim_MotPosReset	get_Rte_Inst_Ap_VehDyn.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	✓

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

2014-09-19, 20:40:41+0530





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 -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
fodule '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	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src

2014-09-19, 20:40:41+0530

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_ps.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)

 $TS1.1Shortest\ Execution\ Path=>(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE)\ \&\&\ (((FaultBFActive_Cnt_T_lgc\ \&\ k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=FALSE \\ TS1.2Longest\ Execution\ Path=>(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE)\ \&\&\ (((FaultBFActive_Cnt_T_lgc\ \&\ Lgc)))=TRUE)\ Additional Cnt_lgc) == TRUE)\ Addit$

k SLPEnableBF0	Check Cnt	lgc) ==	FAL:	SE)))=	TRUE

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	0.00125584798		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100		
k AutoCntrHiSpdFilt1Kn Hz f32	0.100000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.100000001		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	700		
k AutoCntrHiSpdTimer1PinTrg 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_UIs_f32	1		
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_FaultBFA	ctive 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	4294967295		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	_
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	255	255 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	-
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 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.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	J
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.RelHwPosFilt/SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	-
	700	$0.00125584798 \pm 1.25663627181805E-06$ 700 ± 0.2	,
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32			· ·
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✓

Test Step 1.2 (Repeat Count = 1)

2014-09-19, 20:40:41+0530





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	✓

T					
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	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 AutoCntrHiSpdTimer4PinTrg 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 Igc	0		
k_SLPHwAuthority_Uls_f32	0.00120000006		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795		
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	1720406272		
Name		d Value	Posult
	· ·		Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271 577.71527		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428 69.933242		~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322 18.605932		✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32		9 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19956 ± 2		~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307 47307 ± 2	_	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272 172040627		V
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272 172040627		*
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		'25991 ± 1.25663627181805E-06	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	1	81013 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	511.249969 511.24996		~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	119.398392 119.39839		•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.49991417 2.4999141		
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32		'5 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19956 ± 2		~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1111 1111±2		✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272 172040627		~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272 172040627		~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005 6.2799998	e-005 ± 1.25663627181805E-06	
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2014-09-19, 20:40:41+0530



VehDyn_Init1

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	~

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

2014-09-19, 20:40:41+0530

VehDyn_Init1



Test Case 2: Boundary Test

2014-09-19, 20:40:41+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
TS2.16 3940.00 Cycles
TS2.17 3940.00 Cycles
TS2.18 3940.00 Cycles
TS2.18 3940.00 Cycles
TS2.19 3940.00 Cycles
TS2.19 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 TS2.33 3940.00 Cycles TS2.34 3940.00 Cycles TS2.35 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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TS2.57 3940.00 Cycles
TS2.58 3940.00 Cycles
TS2.59 3940.00 Cycles
TS2.59 3940.00 Cycles
TS2.61 3940.00 Cycles
TS2.62 3940.00 Cycles
TS2.63 3940.00 Cycles
TS2.63 3940.00 Cycles
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 TS2.9k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Min TS2.9k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Min TS2.10k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Max TS2.11k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Pos TS2.12k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Max TS2.13k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Max TS2.14k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Pos TS2.15k_AutoCntrLoSpdTimer1_mS_u16==>Min TS2.16k_AutoCntrLoSpdTimer1_mS_u16==>Max TS2.17k_AutoCntrLoSpdTimer1_mS_u16==>Pos TS2.18k_AutoCntrLoSpdTimer2_mS_u16==>Min 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 TS2.73k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min TS2.73K_AutoCntrHiSpdFilt1Kn_Hz_f32==>\text{Min}
TS2.74K_AutoCntrHiSpdFilt1Kn_Hz_f32==>\text{Max}
TS2.75FaultBFActive_Cnt_lgc==>\text{Min}
TS2.76FaultBFActive_Cnt_lgc==>\text{Max}
TS2.77Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = \text{Min}
TS2.78Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = \text{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 = Max
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

2014-09-19, 20:40:41+0530





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	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000199999995	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	0	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	0	
k_AutoCntrHiSpdTimer1_mS_u16	0	
k_AutoCntrHiSpdTimer2_mS_u16	0	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	0	
k_AutoCntrHiSpdTimer4_mS_u16	0	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000199999995	
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 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0 0 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0 0 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0 0	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	~
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		
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.50339508e-006 2.51000006e-006 ± 1.25663627181805E-06	•
	0 0 ± 0.2	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32		~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	· ·
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	· ·
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.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	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.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 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 0	· · · · · · · · · · · · · · · · · · ·
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	· · · · · · · · · · · · · · · · · · ·
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.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32	0 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 0 ± 2 0 0 0 0 0 0 2.50339508e-006 2.51000006e-006 ± 1.25663627181805E-06 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.0625 0 0 0 ± 2 0 0 0 ± 0.0625 0 0 0 ± 2 0 0 0 ± 0.0625 0 0 0 ± 0.0625 0 0 0 ± 0.0625 0 0 0 ± 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	· · · · · · · · · · · · · · · · · · ·
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.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FittPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32	0 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 0 ± 2 0 0 0 0 0 0 2.50339508e-006 0 0 2.51000006e-006 ± 1.25663627181805E-06 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.2 0 0 0 0 ± 0.0625 0 0 0 0 ± 2 0 0 0 0 ± 2 0 0 0 0 ± 2 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 ± 0.0625 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32	0 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 0 ± 2 0 0 0 0 0 0 2.50339508e-006 2.51000006e-006 ± 1.25663627181805E-06 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.2 0 0 0 ± 0.0625 0 0 0 ± 2 0 0 0 ± 0.0625 0 0 0 ± 2 0 0 0 ± 0.0625 0 0 0 ± 0.0625 0 0 0 ± 0.0625 0 0 0 ± 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

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





Test Step 2.2 (Repeat Count = 1)	In most Malace		
Name	Input Value	-	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Current	Time	
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_C	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	-
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	
	20		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16		100 ± 0.0625 60000 ± 2	•
	100		•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	100 60000	60000 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	100 60000 60000	60000 ± 2 60000 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	100 60000 60000 4294967295	60000 ± 2 60000 ± 2 4294967295	
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	100 60000 60000 4294967295 4294967295	60000 ± 2 60000 ± 2 4294967295 4294967295	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	100 60000 60000 4294967295 4294967295 0.00125586987	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06	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	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 0.00125584798 ± 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.MtrVel_MtrRadpS_f32	100 60000 60000 4294967295 4294967295 0.00125586987 700	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 0.00125584798 ± 1.25663627181805E-06 700 ± 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	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 0.00125584798 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5 20 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.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	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 0.00125584798 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000	60000 ± 2 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$ $0.00125584798 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 60000 ± 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.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295	60000 ± 2 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$ $0.00125584798 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295	
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.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295	60000 ± 2 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$ $0.00125584798 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295 4294967295	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.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	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295 0.00125586987	60000 ± 2 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$ $0.00125584798 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$	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.RelHwPosFiilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_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.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	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987	60000 ± 2 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$ $0.00125584798 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$ $0.00125584798 \pm 1.25663627181805E-06$	
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.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 700 255 20 100 60000 60000 4294967295 4294967295 0.00125586987 0.00125586987 0.00125586987	60000 ± 2 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$ $0.00125584798 \pm 1.25663627181805E-06$ 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295 4294967295 $0.00125584798 \pm 1.25663627181805E-06$ $0.00125584798 \pm 1.25663627181805E-06$ 700 ± 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.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Timer1Thresh_mS_u5 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20 100 60000 60000 4294967295 0.00125586987 700 255 20 100 60000 60000 4294967295 0.00125586987 700 255 20 100 60000 4294967295 4294967295 4294967295 4294967295	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 0.00125584798 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295 4294967295 4294967295	
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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.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	100 60000 60000 4294967295 4294967295 0.00125586987 700 255 20 100 60000 60000 4294967295 0.00125586987 700 255 20 100 60000 4294967295 0.00125586987 700 255 20 100 60000 4294967295 0.00125586987 700 255 20 100 60000 60000 4294967295 0.00125586987 0.00125586987	60000 ± 2 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 0.00125584798 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06 700 ± 0.2 255 ± 0.5 20 ± 0.04 100 ± 0.0625 60000 ± 2 4294967295 4294967295 4294967295 4294967295 4294967295 0.00125584798 ± 1.25663627181805E-06	0



T				✓
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_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 AutoCntrHiSpdTimer4PinTrg 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		
AutoCntrLoSpdTimer2_mS_u16	38708		
AutoCntrPinTrqLPFCoeffKn Hz f32	0.00499999989		
SLPEnableBFCheck Cnt Igc	0		
SLPHwAuthority Uls f32	0.00120000006		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
rarget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target VehDyn Init1 FaultBFActiv	e 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	1720406272		
Name	Actual Value	Expected Value	Res
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	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	
/ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	19956	19956 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307	47307 ± 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	0.000439703465	0.000439725991 ± 1.25663627181805E-06	
. on 2)			
/ehDvn_AutoCntrDetSnd_M_str_RelHwPosFilt2SV_HwDeg_str_K_Uls_f32	0.000816464424	0.000816481013 + 1.25663627181805F-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816481013 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	511.249969	511.249969 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	511.249969 119.398392	511.249969 ± 0.2 119.398392 ± 0.5	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	511.249969 119.398392 2.49991417	511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	511.249969 119.398392 2.49991417 16.8675175	511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	511.249969 119.398392 2.49991417 16.8675175 19956	511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	511.249969 119.398392 2.49991417 16.8675175 19956	511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272	511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272	511.249969 ± 0.2 119.398392 ± 0.5 2.49991417 ± 0.04 16.8675175 ± 0.0625 19956 ± 2 1111 ± 2 1720406272 1720406272	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_ms_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	511.249969 119.398392 2.49991417 16.8675175 19956 1111 1720406272 1720406272 6.28232956e-005 9.7990036e-005 0 113.628799 16.4742603	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	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	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	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	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	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	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	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	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	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	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	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	

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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	✓

Τ				
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	4.99999987e-005		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	95.4768982		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	202.264374		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.9387646		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	125.628113		
k_AutoCntrHiSpdTimer1_mS_u16	27095		
k_AutoCntrHiSpdTimer2_mS_u16	2222		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	45.5802307		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	107.436508		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	10.2259359		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	172.71106		
k_AutoCntrHiSpdTimer4_mS_u16	28327		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	94.2382813		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0560000017		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	1.05551898		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	69.8743896		
k_AutoCntrLoSpdTimer1_mS_u16	43128		
k_AutoCntrLoSpdTimer2_mS_u16	58869		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.00779999979		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1401.11499		
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_Igc.value	1		
	1 2659241984		
tgt_GetSystemTime_mS_u32_CurrentTime		Expected Value	Resu
gt_GetSystemTime_mS_u32_CurrentTime Name	2659241984	Expected Value 107.436508 ± 0.2	Resu
gt_GetSystemTime_mS_u32_CurrentTime Name //ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2659241984 Actual Value		
gt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	2659241984 Actual Value 107.436508	107.436508 ± 0.2	
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	2659241984 Actual Value 107.436508 172.71106	107.436508 ± 0.2 172.71106 ± 0.5	
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	2659241984 Actual Value 107.436508 172.71106 10.2259359	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04	
tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpt_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2659241984 Actual Value 107.436508 172.71106 10.2259359 45.5802307	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625	
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	2659241984 Actual Value 107.436508 172.71106 10.2259359 45.5802307 27095	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2	
tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984 Actual Value 107.436508 172.71106 10.2259359 45.5802307 27095 28327	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2	
tgt_GetSystemTime_mS_u32_CurrentTime Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984 Actual Value 107.436508 172.71106 10.2259359 45.5802307 27095 28327 2659241984	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984	
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.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2659241984 Actual Value 107.436508 172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984	
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Name VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2659241984 Actual Value 107.436508 172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.0004321903279 202.264374 125.628113 16.9387646 95.4768982 27095 2222 2659241984 2659241984 0.000113070011	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984 0.000703468977 ± 1.25663627181805E-06 0.00432189991 ± 1.25663627181805E-06 202.264374 ± 0.2 125.628113 ± 0.5 16.9387646 ± 0.04 95.4768982 ± 0.0625 27095 ± 2 2222 ± 2 2659241984	
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Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_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.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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 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	2659241984 Actual Value 107.436508 172.71106 10.2259359 45.5802307 27095 28327 2659241984 2659241984 0.000703454018 0.0004321903279 202.264374 125.628113 16.9387646 95.4768982 27095 2222 2659241984 2659241984 0.000113070011	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 0.000703468977 ± 1.25663627181805E-06 0.00432189991 ± 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	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.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	2659241984 Actual Value 107.436508 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	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 0.000703468977 ± 1.25663627181805E-06 0.00432189991 ± 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	
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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.FiltPinTrq_HwNm_f32	2659241984 Actual Value 107.436508 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	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 $0.000703468977 \pm 1.25663627181805E-06$ $0.00432189991 \pm 1.25663627181805E-06$ 202.264374 ± 0.2 125.628113 ± 0.5 16.9387646 ± 0.04 95.4768982 ± 0.0625 27095 ± 2 2222 ± 2 2659241984 $0.000113091002 \pm 1.25663627181805E-06$ $0.000113091002 \pm 1.25663627181805E-06$ $0.000113091002 \pm 1.25663627181805E-06$ 700 ± 0.2	Resu
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RtrVel_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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2659241984 Actual Value 107.436508 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	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 0.000703468977 ± 1.25663627181805E-06 0.00432189991 ± 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	
Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.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	2659241984 Actual Value 107.436508 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 1.05551898	107.436508 ± 0.2 172.71106 ± 0.5 10.2259359 ± 0.04 45.5802307 ± 0.0625 27095 ± 2 28327 ± 2 2659241984 2659241984 0.000703468977 ± 1.25663627181805E-06 0.00432189991 ± 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	

Test Step 2.5 (Repeat Count = 1)

2014-09-19, 20:40:41+0530





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	~

T				
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	ırrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	9.00000014e-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		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	182.050003		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	10.878334		
k AutoCntrLoSpdTimer1VehSpd kph f32	223.371994		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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_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	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	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.923325	156.923325 ± 0.5	
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	4.59798193	4.59798193 ± 0.04	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	33.3349724	33.3349724 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	55627	55627 ± 2	
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	3333	3333 ± 2	
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2942063360	2942063360	
VehDyn AutoCntrHiSpd M str.Timer 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	~

2014-09-19, 20:40:41+0530



VehDyn_Init1

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	~

T				
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
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	0.00013
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	96.3896027
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	498.457764
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	153.084564
k_AutoCntrHiSpdTimer1_mS_u16	26438
k_AutoC@trHiSpdTimer2_mS_u16	4444 9S 15.8976202
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	4.91284609
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	300.483093
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.609106064
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	97.2060852
k_AutoCntrHiSpdTimer4_mS_u16	14136
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	84.7982025
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00600000005
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	202
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.8976202
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	

2014-09-19, 20:40:41+0530





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	~

T				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	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	0.000169999999			
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			
	41.3416519			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32 k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00779999979			
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961			
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	211			
	16.8140659			
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	255			
k_AutoCntrLoSpdTimer1VehSpd_kph_f32		21364		
k_AutoCntrLoSpdTimer1_mS_u16	52716			
k_AutoCntrLoSpdTimer2_mS_u16	0.0060000005			
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32				
k_SLPEnableBFCheck_Cnt_lgc	0 0.0275999997			
k_SLPHwAuthority_Uls_f32				
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_lgc.value	0			
tgt_GetSystemTime_mS_u32_CurrentTime	1736795392	1	1-	
Name	Actual Value	Expected Value	Resu	
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		

2014-09-19, 20:40:41+0530





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	~

T					
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 Cu	rrentTime	
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 AutoCntrHiSpdTimer4PinTrg HwNm f32	17.8322964		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	117.223816		
k_AutoCntrHiSpdTimer4_mS_u16	16156		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	81.3328171		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	543		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.82931423		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	199.050003		
k_AutoCntrLoSpdTimer1_mS_u16	33198		
k_AutoCntrLoSpdTimer2_mS_u16	7778		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00779999979		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.0342000015		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1304.98303		
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	3437401088		
Name	Actual Value	Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	50.0811806	50.0811806 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	117.223816	117.223816 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.8322964	17.8322964 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	59.698616	59.698616 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7415	7415 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16156	16156 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	3437401088	3437401088	

0.000113070011

0.000314116478

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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

0.000314109988 ± 1.25663627181805E-06

2014-09-19, 20:40:41+0530



VehDyn_Init1

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	~

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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	~

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Actual Function	Count	Expected Function	Count	Res	ult
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	0.00028999996		
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	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	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	•

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VehDyn_Init1



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	~

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Actual Function	Count	Expected Function	Count	Res	ult
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	0.00033000001
k AutoCntrHiSpdCntrWindow HwDeg f32	49.6496849
k AutoCntrHiSpdFilt1Kn Hz f32	0.0458000004
k AutoCntrHiSpdFilt2Kn Hz f32	0.00200000009
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	546.656738
k AutoCntrHiSpdTimer1PinTrg HwNm f32	11.7334461
k AutoCntrHiSpdTimer1VehSpd kph f32	136.718338
k AutoCntrHiSpdTimer1 mS u16	4828
k_AutoCntrHiSpdTimer2_mS_u16	9999
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	33.7199783
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	689.916992
k AutoCntrHiSpdTimer4PinTrg HwNm f32	9.30665016
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	223.376236
k_AutoCntrHiSpdTimer4_mS_u16	49523
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	17.6228924
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	570
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.05000019
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	7.9233551
k_AutoCntrLoSpdTimer1_mS_u16	34738
k_AutoCntrLoSpdTimer2_mS_u16	36612
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0458000004
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.0540000014
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1232.88403
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





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	١ ،
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	•
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	49.6496849	49.6496849 ± 0.0625	•
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	4828	4828 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	9999	9999 ± 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	0.000575363636	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	

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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
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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 Igc	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.FiltPinTrg 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	

T				✓
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_Igc	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	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	-

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

Test Step 2.14 (Repeat Count = 1)	
Name	Input Value
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	0.039999991
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	290





Name	Input Value		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.74961567		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	76.098053		
k_AutoCntrLoSpdTimer1_mS_u16	3658		
k_AutoCntrLoSpdTimer2_mS_u16	5853		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.0737999976		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1160.78503		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target VehDyn Init1 FaultBFAct	tive 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	4243378688		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	668.902588	668.902588 ± 0.2	~
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	32.1202698	32.1202698 ± 0.5	•
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	20	20 ± 0.04	-
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.Timer2Thresh mS u16	40995	40995 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	_
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	4243378688	4243378688	~
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	_
VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.00050252676	0.000502528972 ± 1.25663627181805E-06	~
VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32	152.768814	152.768814 ± 0.2	
VehDyn AutoCntrHiSpd M str.VehSpd kph f32	73.3210144	73.3210144 ± 0.5	-
VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32	15.771925	15.771925 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	65.7764893	65.7764893 ± 0.0625	-
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	14150	14150 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13332	13332 ± 2	-
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	4243378688	4243378688	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	4243378688	4243378688	-
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	Ŭ
VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32	0.000314110478	0.000403298996 ± 1.25663627181805E-06	-
VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32	290	290 ± 0.2	J
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	J
	67.0500031	67 ± 0.0625	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658	3658 ± 2	
	5853	3658 ± 2 5853 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16		4243378688	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688		V
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4243378688	4243378688	Ž
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	V
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-06	V
VehDyn_SLPHwAuth_Uls_M_f32	0	0	V
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.15 (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	0.000490000006
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

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Input Value



Name



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_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1136.75195		
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 Igc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	1050692864		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	84.1278992	84.1278992 ± 0.2	~
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	50.9156036	50.9156036 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.85283899	3.85283899 ± 0.04	_
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	20.9637165	20.9637165 ± 0.0625	V
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.Timer2_m3_u32 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	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	38.6106339	38.6106339 ± 0.0625	-
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	23629	23629 ± 2	
	14443	14443 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16		1050692864	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864		~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1050692864	1050692864	,
VehDyn_AutoCottrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869 0.00106757879	0.000791368017 ± 1.25663627181805E-06 0.00106757099 ± 1.25663627181805E-06	· ·
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32			
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	604 60.232254	604 ± 0.2	· ·
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	1	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	V
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	23667	23667 ± 2	V
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1050692864	1050692864	V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	V
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	V
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	✓

T ✓					
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	0.000530000019	
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	

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VehDyn_Init1

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_Uls_f32	0.0869999975		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1112.71899		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBf	FActive_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	✓
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	





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_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_lg	JC .	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.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	

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

Test Step 2.18 (Repeat Count = 1)		✓
Name	Input Value	
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_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	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	•

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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	~
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	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	-
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	44.8276367	44.8276367 ± 0.0625	~
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53799	53799 ± 2	~
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	17776	17776 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	~
/ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192	2075080192	~
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	~
/ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	•
/ehDyn_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	~
/ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	•
/ehDyn_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	0	~
VehDyn SLPHwPos HwDeg M f32	0	0	✓

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

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VehDyn_Init1

Test Step 2.19 (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	0.000650000002
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	



T				v
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	
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	0.000690000015	
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_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	10.2086525	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	182.197632	
k_AutoCntrHiSpdTimer4_mS_u16	27106	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	56.4612427	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	39.4220428	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3	
k AutoCntrLoSpdTimer1VehSpd kph f32	123.501587	
k_AutoCntrLoSpdTimer1_mS_u16	29729	
k_AutoCntrLoSpdTimer2_mS_u16	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 Igc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
	1	
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime	2728878080	
Name	Actual Value Expected Value	Resu
	578.624756 578.624756 ± 0.2	Kest
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	182.197632 182.197632 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.2086525	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	50.4557152 50.4557152 ± 0.0625	
	07774 . 0	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37774 37774 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27106 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	27106 27106 ± 2 2728878080 2728878080	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080	
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	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180	
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	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180	
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	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_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.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	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180	5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180	5E-06 5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.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	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 39.4220428 39.4220428 ± 0.2	5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 39.4220428 39.4220428 ± 0.2 123.501587 123.501587 ± 0.5	5E-06 5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.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.CntrVindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 39.4220428 39.4220428 ± 0.2 123.501587 123.501587 ± 0.5 3 3 ± 0.04	5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	27106 27106 ± 2 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 39.4220428 39.4220428 ± 0.2 123.501587 123.501587 ± 0.5 3 3 ± 0.04 56.4612427 56.4612427 ± 0.0625	5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.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	27106 27106 ± 2 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 39.4220428 39.4220428 ± 0.2 123.501587 123.501587 ± 0.5 3 3 ± 0.04 56.4612427 56.4612427 ± 0.0625 29729 29729 ± 2	5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 39.4220428 39.4220428 ± 0.2 123.501587 123.501587 ± 0.5 3 3 ± 0.04 56.4612427 56.4612427 ± 0.0625 29729 29729 ± 2 33804 33804 ± 2	5E-06
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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.Timer2Thresh_mS_u52 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.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	27106 27106 ± 2 2728878080 2728878080 2728878080 2728878080 0.000113070011 0.000113091002 ± 1.2566362718180 192.424347 192.424347 ± 0.2 193.415466 193.415466 ± 0.5 1.4601928 1.4601928 ± 0.04 85.3555756 85.3555756 ± 0.0625 37774 37774 ± 2 19998 19998 ± 2 2728878080 2728878080 2728878080 2728878080 2.51531601e-005 2.51000001e-005 ± 1.2566362718180 0.000113070011 0.000113091002 ± 1.2566362718180 39.4220428 39.4220428 ± 0.2 123.501587 123.501587 ± 0.5 3 3 ± 0.04 56.4612427 56.4612427 ± 0.0625 29729 29729 ± 2 33804 33804 ± 2 2728878080 2728878080	5E-06 5E-06 5E-06





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-	06
VehDyn_SLPHwAuth_Uls_M_f32	0	Ō	~
VehDyn SLPHwPos HwDeg M f32	0	0	✓

Τ				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_Cu	urrentTime	
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	0.00019999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0231999997		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	665.639221		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.52301908		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	52.7404022		
k_AutoCntrLoSpdTimer1_mS_u16	58388		
k_AutoCntrLoSpdTimer2_mS_u16	25970		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0049999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.119999997		
	1		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	992.554016		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	992.554016 target_VehDyn_Init1_FaultBFAct	ive_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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset	ive_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 target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0	ive_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 target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752		
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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value	Expected Value	
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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249	Expected Value 457.561249 ± 0.2	•
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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5	•
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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04	•
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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625	•
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.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2	•
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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2	•
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752	
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.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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752	
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.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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752 2.50339508e-006	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752 2.51000006e-006 ± 1.25663627181805E-06	
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752 2.50339508e-006 0.000291526318	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752 2.51000006e-006 ± 1.25663627181805E-06 0.00029149701 ± 1.25663627181805E-06	•
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RilHwPosFilt1SV_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	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752 2.50339508e-006 0.000291526318 407.382568	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752 2.51000006e-006 ± 1.25663627181805E-06 0.00029149701 ± 1.25663627181805E-06 407.382568 ± 0.2	
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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.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.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752 2.50339508e-006 0.000291526318 407.382568 171.811264 5.11670542 47.2272682 44272 21109 824746752 824746752 824746752 6.28232956e-005	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752 2.51000006e-006 ± 1.25663627181805E-06 0.00029149701 ± 1.25663627181805E-06 407.382568 ± 0.2 171.811264 ± 0.5 5.11670542 ± 0.04 47.2272682 ± 0.0625 44272 ± 2 21109 ± 2 824746752 824746752 824746752 6.2799998e-005 ± 1.25663627181805E-06	
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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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_hyNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTr	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752 2.50339508e-006 0.000291526318 407.382568 171.811264 5.11670542 47.2272682 44272 21109 824746752 824746752 824746752 6.28232956e-005 0.000314116478 665.639221	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752 2.5100006e-006 ± 1.25663627181805E-06 0.00029149701 ± 1.25663627181805E-06 407.382568 ± 0.2 171.811264 ± 0.5 5.11670542 ± 0.04 47.2272682 ± 0.0625 44272 ± 2 21109 ± 2 824746752 824746752 824746752 824746752 6.2799998e-005 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 665.639221 ± 0.2	
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.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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTr	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752 2.50339508e-006 0.000291526318 407.382568 171.811264 5.11670542 44.7222682 44272 21109 824746752 824746752 824746752 6.28232956e-005 0.000314116478 665.639221 52.7404022	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752 2.5100006e-006 ± 1.25663627181805E-06 0.00029149701 ± 1.25663627181805E-06 407.382568 ± 0.2 171.811264 ± 0.5 5.11670542 ± 0.04 47.2272682 ± 0.0625 44272 ± 2 21109 ± 2 824746752 824746752 824746752 824746752 824746752 6.2799998e-005 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 665.639221 ± 0.2 52.7404022 ± 0.5	
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.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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.TitlPinTrq_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.TitlPinTrq_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.TitlPinTrq_HwDeg_f32	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752 2.50339508e-006 0.000291526318 407.382568 171.811264 5.11670542 47.2272682 44272 21109 824746752 824746752 824746752 6.28232956e-005 0.000314116478 665.639221 52.7404022 3.52301908	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752 2.5100006e-006 ± 1.25663627181805E-06 0.00029149701 ± 1.25663627181805E-06 407.382568 ± 0.2 171.811264 ± 0.5 5.11670542 ± 0.04 47.2272682 ± 0.0625 44272 ± 2 21109 ± 2 824746752 824746752 824746752 6.2799998e-005 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 665.639221 ± 0.2 52.7404022 ± 0.5 3.52301908 ± 0.04	Result
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.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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitlPinTrq_HwNm_g132 VehDyn_AutoCntrHiSpd_M_str.TitlPinTr	992.554016 target_VehDyn_Init1_FaultBFAct target_Pim_MotPosReset 0 824746752 Actual Value 457.561249 73.4022675 9.91502762 84.4373398 44272 15330 824746752 824746752 2.50339508e-006 0.000291526318 407.382568 171.811264 5.11670542 44.7222682 44272 21109 824746752 824746752 824746752 6.28232956e-005 0.000314116478 665.639221 52.7404022	Expected Value 457.561249 ± 0.2 73.4022675 ± 0.5 9.91502762 ± 0.04 84.4373398 ± 0.0625 44272 ± 2 15330 ± 2 824746752 824746752 2.5100006e-006 ± 1.25663627181805E-06 0.00029149701 ± 1.25663627181805E-06 407.382568 ± 0.2 171.811264 ± 0.5 5.11670542 ± 0.04 47.2272682 ± 0.0625 44272 ± 2 21109 ± 2 824746752 824746752 824746752 824746752 824746752 6.2799998e-005 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 665.639221 ± 0.2 52.7404022 ± 0.5	





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	~

T				
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		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	urrentrime	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000769999984		
k AutoCntrHiSpdCntrWindow HwDeg f32	3.12775111		
k AutoCntrHiSpdFilt1Kn Hz f32	0.00520000001		
	0.063000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	602.94635		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32			
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	10.0753288 221.670746		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	58454		
k_AutoCntrHiSpdTimer1_mS_u16	22220		
k_AutoCntrHiSpdTimer2_mS_u16			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	68.7160416		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	155.820129		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.29925823		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	81.0852356		
k_AutoCntrHiSpdTimer4_mS_u16	20609		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	29.8536549		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00249999994		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	255.177094		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.44891739		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	221.320831		
k_AutoCntrLoSpdTimer1_mS_u16	46162		
k_AutoCntrLoSpdTimer2_mS_u16	50158		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.126599997		
target_Pim_MotPosReset.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	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	309385728		
Name	Actual Value	Expected Value	Res
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.FiltPinTrq_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.Timer2 mS u32	309385728	309385728	
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.53266907e-005	6.53000025e-005 ± 1.25663627181805E-06	;
VEHIDVIT AUTOCITITIONAL INFOST, REITWEOSFILLOV TIMBER SILK LIS 137		1.1111111111111111111111111111111111111	
	0.000791370869	0.000791368017 + 1.25663627181805F-06	
VenDyn_AutoCntrhispd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uis_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uis_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0.000791370869 255.177094	0.000791368017 ± 1.25663627181805E-06 255.177094 ± 0.2	





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	~

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

Test Step 2.23 (Repeat Count = 1)	Invest 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	0.00080999998	
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_Uls_f32	0.133200005	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	944.487976	
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	4164171008	
Name	Actual Value Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	32.7761002 32.7761002 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	38.1457062 38.1457062 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.07399654 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1467133	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16138 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46166 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4164171008 4164171008	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4164171008 4164171008	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006 2.51000006e-006 ± 1.25663627181805E-06	8
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005 7.53999993e-005 ± 1.25663627181805E-06	6
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	79.877243 ± 0.2	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	164.951675 164.951675 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.8524735 3.8524735 ± 0.04	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	23.8171101 23.8171101 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16138 16138 ± 2	
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	23331 23331 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008 4164171008	





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	~

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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 Current	Time	
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	0.00019999995		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	537.7453		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.52731705		
k AutoCntrLoSpdTimer1VehSpd kph f32	193.256531		
k AutoCntrLoSpdTimer1 mS u16	29076		
k AutoCntrLoSpdTimer2 mS u16	43868		
k AutoCntrPinTrgLPFCoeffKn Hz f32	0.0225000009		
k SLPEnableBFCheck Cnt lgc	1		
k SLPHwAuthority Uls f32	0.139799997		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	920.455017		
target Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActive C	Int lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	Jiii_ige	
target VehDyn Init1 FaultBFActive Cnt Igc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	437658624		
Name	Actual Value	Expected Value	Resu
	1111		Rest
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	638.897888	638.897888 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	82.6361694	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	
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 37.7641106 ± 0.0625	
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32	37.7641106		

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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	~

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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		
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_AutoCntrHiSpdTimer4PinTrq_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	0.100000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	37.5066719		
k_AutoCntrLoSpdTimer1PinTrq_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_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	896.421997		
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_Igc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312		
Name	Actual Value Expected Value	F	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	344.000977 344.000977 ± 0.2		•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	122.149155 ± 0.5		•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.13386405		•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.2325249 23.2325249 ± 0.062	25	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	35706 ± 2		•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	10394 ± 2		•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312 3941357312		•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3941357312 3941357312		•
VobDyn AutoCatrDotSad M. etc BolHwBocFilt1SV. HwDog, etc K. Ille, f32	0.000703454018 0.000703468077 ±	1 25663627181805E 06	

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	~

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

Test Step 2.26 (Repeat Count = 1)	Innut Wales		
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	0.00092999998		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0089999961		
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_Igc	target_VehDyn_Init1_FaultBFAction	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	Resul
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	~

Τ					
Actual Function	Count	Expected Function	Count	Resu	lt
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	0.000969999994	
k AutoCntrHiSpdCntrWindow HwDeg f32	43.0070915	
k AutoCntrHiSpdFilt1Kn Hz f32	0.00499999989	
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 R	esul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0 0 ± 0.2	٠,
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	9.99269104	•





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	~

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

Test Step 2.28 (Repeat Count = 1)	<u> </u>
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_lgc	1
k_SLPHwAuthority_Uls_f32	0.166199997
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	824.322998
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	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	

T				✓
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_C	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.FiltPinTrq_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	-

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

Test Step 2.30 (Repeat Count = 1)	la 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	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		
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_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	71426560		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	147.148361	147.148361 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.9904881	12.9904881 ± 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	~

T				✓
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	7.9999998e-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

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Input Value



Name



k AutoCntrLoSpdTimer1PinTrg HwNm f32	19 Ω	28949		
k AutoCntrLoSpdTimer1VehSpd kph f32		86824		
k AutoCntrLoSpdTimer1 mS u16	7034			
k AutoCntrLoSpdTimer2 mS u16	3905			
k AutoCntrPinTrqLPFCoeffKn Hz f32		899999961		
	0.00	099999901		
k_SLPEnableBFCheck_Cnt_lgc	-	0000004		
k_SLPHwAuthority_UIs_f32		6000004		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1 750	222000		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32		223999	iiva Cat Isa	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	-	et_VehDyn_Init1_FaultBFAct	live_Cnt_igc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset		et_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0	2070400		
tgt_GetSystemTime_mS_u32_CurrentTime		0672128	1	
Name		ual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32		957947	625.957947 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255		255 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.7	019682	15.7019682 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	66.4	485626	66.4485626 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	3050		30504 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	4532		45323 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2430	0672128	2430672128	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2430	0672128	2430672128	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00	0575363636	0.000575373997 ± 1.25663627181805E-06	~
$VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$	2.51	531601e-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	10.3	126373	10.3126373 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2	052765	16.2052765 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	81.7	051773	81.7051773 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	3050	04	30504 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3221	19	32219 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2430	0672128	2430672128	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2430	0672128	2430672128	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00	0113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00	0314116478	0.000314109988 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	184.	918839	184.918839 ± 0.2	-
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	245.	86824	245.86824 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.8	28949	18.828949 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0	44548	41.044548 ± 0.0625	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034	4	7034 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3905	56	39056 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2430	0672128	2430672128	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2430	0672128	2430672128	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00	0575363636	0.000575373997 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51	531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00	0113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0.18	6000004	0.186000004	•
VehDyn_SLPHwPos_HwDeg_M_f32	752.	223999	752.223999	~
-				
T Actual Function		nacted Eupotion	Count	_
			Count	

T				~
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





Name	Input Value		
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 FaultBFActi	ve 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	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.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	52.0222004	52.0222004 ± 0.0025	
	33330	33330 ± 2	-
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16		1	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2242866176 6.28232956e-005	2242866176 6.2799998e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32			~
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	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.9834061	95.9834061 ± 0.0625	Ž
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	V
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2242866176	2242866176	V
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	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	V
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

T				V
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_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	2269150976		
		Value	Populi
Name	Actual Value Expected		Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666 119.134666		Y
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	3 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16931 ± 2		~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51145 ± 2		~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2269150976 2269150970		~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2269150976 2269150976		•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32		91002 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32		09988 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	460.901886 460.901886	3 ± 0.2	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	92.026535	± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.00629902 8.00629902	2 ± 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 ± 2		•
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976 2269150976	6	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2269150976 226915097	6	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.00011309	91002 ± 1.25663627181805E-06	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005 2.51000001	1e-005 ± 1.25663627181805E-06	6
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	581.690918 581.690918	3 ± 0.2	→
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.401962 236.401962	2 ± 0.5	· ·
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.79465103 6.79465103	3 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	65.2026672 65.2026672	2 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46296 ± 2		-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	9393 ± 2		•
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976 2269150976	6	-
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2269150976 226915097		•
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.00011309	91002 ± 1.25663627181805E-06	-
VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32		09988 ± 1.25663627181805E-06	
VehDyn_PinTrqSV_M_str.K_Uls_f32		91002 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0.199200004 0.19920000		-
VehDyn SLPHwPos HwDeg M f32	704.15802 704.15802		_

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

Test Step 2.34 (Repeat Count = 1)		✓
Name	Input Value	
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	





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_AutoCntrHiSpdTimer1_mS_u16 20459 k_AutoCntrHiSpdTimer2_mS_u16 35552 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 53.1939697	
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_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	
tgt_GetSystemTime_mS_u32_CurrentTime 3533260288	
Name Actual Value Expected Value Re	esult
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 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	~
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 160.17424 160.17424	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 28.4624329 28.4624329 ± 0.5	~
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 4.19048309 4.19048309 4.19048309 ± 0.04	✓
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 91.5981827 91.5981827 91.5981827 91.5981827 91.5981827	~
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 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 52.1249008 52.1249008 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 21486 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 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	

T				✓
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	





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	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	525.822998	525.822998 ± 0.2	•
ValaDara Anta-Orda DatOrd M. ata-ValaDard Jack 600	44.416153	44.416153 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	44.410100	44.410100 ± 0.0	

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	S 🗸
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	6
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	6
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	✓

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





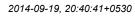
Test Step 2.36 (Repeat Count = 1)	Immut Value	
Name	Input Value	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000180000003	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	92.2299118 0.0049999989	
k_AutoCntrHiSpdFilt1Kn_Hz_f32		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00980000012	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	235.852432 18.6467209	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	179.530945	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	51432	
k_AutoCntrHiSpdTimer1_mS_u16 k_AutoCntrHiSpdTimer2_mS_u16	37774	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0	
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	598.552856	
k AutoCntrHiSpdTimer4PinTrg 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	0.0049999989	
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	691.251282	
k AutoCntrLoSpdTimer1PinTrg 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	
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	3345084416	
Name	Actual Value Expected Value	Result
VobDura AutoCatrDotCad M. otr MtrVol MtrDodac 500	·	
vendyn Autochtidetopa ivi str.ivitrvel Mtrkaapo 132	598.552856 ± 0.2	- - ✓
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	598.552856 598.552856 ± 0.2 239.762329 239.762329 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	239.762329 ± 0.5	-
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416	
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	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 3345084416 3345084416	06
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.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	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-	06
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_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 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-6 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0	06
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.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_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2	06
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.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	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5	06
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5 18.6467209 18.6467209 ± 0.04	06
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5 18.6467209 18.6467209 ± 0.04 92.2299118 92.2299118 ± 0.0625	000000000000000000000000000000000000000
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VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.NelPhyPosFilt2SV_HwDeg_str.K_Uls_f32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 ± 0.5 18.6467209 ± 0.04 92.2299118 92.2299118 ± 0.0625 51432 51432 ± 2 37774 37774 ± 2 3345084416 3345084416 3345084416 3345084416 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 0.000123143196 0.000123143007 ± 1.25663627181805E-0 691.251282 691.251282 ± 0.2 38.2069092 38.2069092 ± 0.5	006
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VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetNeyDeg_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WitrPl_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5 18.6467209 18.6467209 ± 0.04 92.2299118 92.2299118 ± 0.0625 51432 51432 ± 2 37774 37774 ± 2 3345084416 3345084416 3345084416 3345084416 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 0.000123143196 0.000123143007 ± 1.25663627181805E-0 691.251282 691.251282 ± 0.2 38.2069092 38.2069092 ± 0.5 9.38685799 9.38685799 ± 0.04 58.8585777 58.8585777 ± 0.0625 44855 44855 ± 2 51238 51238 ± 2	66 6
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetNeyDeg_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5 18.6467209 18.6467209 ± 0.04 92.2299118 92.2299118 ± 0.0625 51432 51432 ± 2 37774 37774 ± 2 3345084416 3345084416 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 0.000123143196 0.000123143007 ± 1.25663627181805E-0 691.251282 691.251282 ± 0.2 38.2069092 38.2069092 ± 0.5 9.38685799 9.38685799 ± 0.04 58.8585777 58.8585777 ± 0.0625 44855 44855 ± 2 51238 51238 ± 2 3345084416 3345084416	3 3 3 6 6
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.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_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WitrVel_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.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	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5 18.6467209 18.6467209 ± 0.04 92.2299118 92.2299118 ± 0.0625 51432 51432 ± 2 37774 37774 ± 2 3345084416 3345084416 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 0.000123143196 0.000123143007 ± 1.25663627181805E-0 691.251282 691.251282 ± 0.2 38.2069092 38.2069092 ± 0.5 9.38685799 9.38685799 ± 0.04 58.8585777 58.8585777 ± 0.0625 44855 44855 ± 2 51238 51238 ± 2 3345084416 3345084416 3345084416 3345084416	3 3 6 6
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.VehSpd_kph_f32 VehDyn_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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_m	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5 18.6467209 18.6467209 ± 0.04 92.2299118 92.2299118 ± 0.0625 51432 51432 ± 2 37774 37774 ± 2 3345084416 3345084416 3345084416 3345084416 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 0.000123143196 0.000123143007 ± 1.25663627181805E-0 691.251282 691.251282 ± 0.2 38.2069092 38.2069092 ± 0.5 9.38685799 9.38685799 ± 0.04 58.8585777 58.8585777 ± 0.0625 44855 44855 ± 2 51238 51238 ± 2 3345084416 3345084416 3345084416 3345084416 2.51531601e-005	66
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHw	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5 18.6467209 18.6467209 ± 0.04 92.2299118 92.2299118 ± 0.0625 51432 51432 ± 2 37774 37774 ± 2 3345084416 3345084416 3345084416 3345084416 62.8232956e-005 6.2799998e-005 ± 1.25663627181805E-0 0.000123143196 0.000123143007 ± 1.25663627181805E-0 601.251282 691.251282 ± 0.2 38.2069092 38.2069092 ± 0.5 9.38685799 9.38685799 ± 0.04 58.8585777 58.8585777 ± 0.0625 44855 44855 ± 2 51238 51238 ± 2 3345084416 3345084416 2.51531601e-005 6.28232956e-005 6.2799998e-005 ± 1.25663627181	66 06 06 06 06 06 06 06 06 06 06 06 06 0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.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.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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_m	239.762329 239.762329 ± 0.5 4.44533634 4.44533634 ± 0.04 0 0 ± 0.0625 51432 51432 ± 2 57193 57193 ± 2 3345084416 3345084416 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-0 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 235.852432 235.852432 ± 0.2 179.530945 179.530945 ± 0.5 18.6467209 18.6467209 ± 0.04 92.2299118 92.2299118 ± 0.0625 51432 51432 ± 2 37774 37774 ± 2 3345084416 3345084416 3345084416 3345084416 6.28232956e-005 6.2799998e-005 ± 1.25663627181805E-0 0.000123143196 0.000123143007 ± 1.25663627181805E-0 691.251282 691.251282 ± 0.2 38.2069092 38.2069092 ± 0.5 9.38685799 9.38685799 ± 0.04 58.8585777 58.8585777 ± 0.0625 44855 44855 ± 2 51238 51238 ± 2 3345084416 3345084416 3345084416 3345084416 2.51531601e-005	66 66



T				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_Curren	tTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
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_HwDeg_f32	100		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	179.399078		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.4598589		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	82.9581757		
k_AutoCntrHiSpdTimer4_mS_u16	10910		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	75.6018066		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	638.585999		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	4.9565835		
k AutoCntrLoSpdTimer1VehSpd kph f32	122.874435		
k AutoCntrLoSpdTimer1 mS u16	26195		
k AutoCntrLoSpdTimer2 mS u16	22037		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.225600004		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	608.026001		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_0	Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	ogo	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	2704864000		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	179.399078	179.399078 ± 0.2	rtooui
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.Timer2Thresh_mS_u16	10910	10910 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	2704864000	2704864000	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2704004000	2704804000	
VEIDVII AUTOCITIDEISDU IVI STI, IIITEIZ IIIS USZ	2704964000	2704964000	
·	2704864000	2704864000	•
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 0.000432193279	6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 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 0.000432193279 463.985962	6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 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	6.28232956e-005 0.000432193279 463.985962 255	6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 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	6.28232956e-005 0.000432193279 463.985962 255 8.70262909	6.2799998e-005 ± 1.25663627181805E-06 0.000432189991 ± 1.25663627181805E-06 463.985962 ± 0.2 255 ± 0.5 8.70262909 ± 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 0.000432193279 463.985962 255 8.70262909 41.6950645	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.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 0.000432193279 463.985962 255 8.70262909 41.6950645 12734	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	
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 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885	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	
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 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885 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	
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 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885 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	
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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885 2704864000 2704864000 0.000314116478	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	
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	6.28232956e-005 0.000432193279 463.985962 255 8.70262909 41.6950645 12734 38885 2704864000 2704864000 0.000314116478 0.000124394894	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	
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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_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.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	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	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	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.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	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	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	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	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	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	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.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	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	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	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	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	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	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	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	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	

VehDyn_Init1





N.		- (1)/1	
Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-0	6
VehDyn_SLPHwAuth_Uls_M_f32	0.225600004	0.225600004	✓
VehDyn SLPHwPos HwDeg M f32	608.026001	608.026001	✓

T				✓
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		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	9	
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		
<_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001		
<_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00749999983		
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	573.473022		
_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	1.88103604		
_AutoCntrHiSpdTimer1VehSpd_kph_f32	99.2100525		
_AutoCntrHiSpdTimer1_mS_u16	4764		
<pre>c_AutoCntrHiSpdTimer2_mS_u16</pre>	39996		
C_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	79.0500031		
:_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	243.44046		
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.900116		
:_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.667511		
:_AutoCntrHiSpdTimer4_mS_u16	16349		
_AutoCntrLoSpdCntrWindow_HwDeg_f32	46.103508		
:_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00520000001		
<_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004		
:_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	159.033066		
:_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.4460754		
:_AutoCntrLoSpdTimer1VehSpd_kph_f32	56.1687317		
:_AutoCntrLoSpdTimer1_mS_u16	43190		
:_AutoCntrLoSpdTimer2_mS_u16	3186		
:_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001		
z_SLPEnableBFCheck_Cnt_lgc	1		
s_SLPHwAuthority_Uls_f32	0.232199997		
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
arget_r im_motr osixeset.ivviviotoreuLastrosvaliu_Ofit_igc			
	583.992981		
rarget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 rarget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 rarget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc		gc	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_Ig target_Pim_MotPosReset	gc	
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	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_Igtarget_Pim_MotPosReset	gc	
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	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_Ig target_Pim_MotPosReset	gc	
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	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_Igtarget_Pim_MotPosReset	gc Expected Value	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 at_GetSystemTime_mS_u32_CurrentTime	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lgtarget_Pim_MotPosReset 1 662694400		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 pt_GetSystemTime_mS_u32_CurrentTime lame ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lgtarget_Pim_MotPosReset 1 662694400 Actual Value	Expected Value	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 at_GetSystemTime_mS_u32_CurrentTime Alame CehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 CehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_Ig target_Pim_MotPosReset 1 662694400 Actual Value 243.44046	Expected Value 243.44046 ± 0.2	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 at_GetSystemTime_mS_u32_CurrentTime Alame CehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 CehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 CehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 CehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5	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 at_GetSystemTime_mS_u32_CurrentTime lame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 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 at_GetSystemTime_mS_u32_CurrentTime Jame	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 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 ### AutoCatrDetSpd_M_str.MtrVel_MtrRadpS_f32 ### AutoCatrDetSpd_M_str.VehSpd_kph_f32 #### AutoCatrDetSpd_M_str.FiltPinTrq_HwNm_f32 ###################################	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2	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 /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.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2	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 ### AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 ### AutoCntrDetSpd_M_str.VehSpd_kph_f32 ### AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 ### AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 ### AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 ### AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ### AutoCntrDetSpd_M_str.Timer1_mS_u32 ### AutoCntrDetSpd_M_str.Timer1_mS_u32 #### AutoCntrDetSpd_M_str.Timer1_mS_u32 #### AutoCntrDetSpd_M_str.Timer1_mS_u32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400	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 ### Jame ### Jame	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 662694400	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 ###################################	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400 6.53266907e-005	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 662694400 6.53000025e-005 ± 1.25663627181805E-06	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.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	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400 6.53266907e-005 0.0005753636366	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 662694400 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06	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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400 6.53266907e-005 0.0005753636365 573.473022	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 662694400 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 573.473022 ± 0.2	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.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.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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400 6.53266907e-005 0.000575363636 573.473022 99.2100525	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 662694400 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 573.473022 ± 0.2 99.2100525 ± 0.5	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 at_GetSystemTime_mS_u32_CurrentTime lame fehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 fehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 fehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 fehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 fehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 fehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 fehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 fehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 fehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 fehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 fehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 fehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 fehDyn_AutoCntrHiSpd_M_str.NetSpd_kph_f32 fehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 fehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 fehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400 6.53266907e-005 0.000575363636 573.473022 99.2100525 1.88103604	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 662694400 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 573.473022 ± 0.2 99.2100525 ± 0.5 1.88103604 ± 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 at_GetSystemTime_mS_u32_CurrentTime lame lehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 lehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 lehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 lehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 lehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 lehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 lehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 lehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 lehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrHiSpd_M_str.NehSpd_kph_f32 lehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 lehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 lehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 lehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 lehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 lehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400 662694400 6.53266907e-005 0.000575363636 573.473022 99.2100525 1.88103604 75.4518967 4764 39996	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 573.473022 ± 0.2 99.2100525 ± 0.5 1.88103604 ± 0.04 75.4518967 ± 0.0625	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.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /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.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFi	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 662694400 6.53266907e-005 0.000575363636 573.473022 99.2100525 1.88103604 75.4518967 4764 39996 662694400 662694400 0.000791370869 9.42349434e-005 159.033066	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 6.53000025e-005 ± 1.25663627181805E-06 0.00575373997 ± 1.25663627181805E-06 573.473022 ± 0.2 99.2100525 ± 0.5 1.88103604 ± 0.04 75.4518967 ± 0.0625 4764 ± 2 39996 ± 2 662694400 662694400 0.000791368017 ± 1.25663627181805E-06 9.4199997e-005 ± 1.25663627181805E-06 159.033066 ± 0.2	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.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.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.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hwS_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.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.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_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.FiltPinTrq_HwNm_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 652694400 6.53266907e-005 0.000575363636 573.473022 99.2100525 1.88103604 75.4518967 4764 39996 662694400 662694400 0.000791370869 9.42349434e-005 159.033066 56.1687317	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 6.53000025e-005 ± 1.25663627181805E-06 0.00575373997 ± 1.25663627181805E-06 573.473022 ± 0.2 99.2100525 ± 0.5 1.88103604 ± 0.04 75.4518967 ± 0.0625 4764 ± 2 39996 ± 2 662694400 662694400 0.000791368017 ± 1.25663627181805E-06 9.4199997e-005 ± 1.25663627181805E-06 159.033066 ± 0.2 56.1687317 ± 0.5	Resi
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	583.992981 target_VehDyn_Init1_FaultBFActive_Cnt_lg target_Pim_MotPosReset 1 662694400 Actual Value 243.44046 17.667511 17.900116 79.0500031 4764 16349 662694400 6.53266907e-005 0.000575363636 573.473022 99.2100525 1.88103604 75.4518967 4764 39996 662694400 662694400 0.000791370869 9.42349434e-005 159.033066 56.1687317 18.4460754	Expected Value 243.44046 ± 0.2 17.667511 ± 0.5 17.900116 ± 0.04 79.0500031 ± 0.0625 4764 ± 2 16349 ± 2 662694400 6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 573.473022 ± 0.2 99.2100525 ± 0.5 1.88103604 ± 0.04 75.4518967 ± 0.0625 4764 ± 2 39996 ± 2 662694400 662694400 0.000791368017 ± 1.25663627181805E-06 159.033066 ± 0.2 56.1687317 ± 0.5 18.4460754 ± 0.04	Res





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	~

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Actual Function	Count	Expected Function	Count	t Resu	it
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1		

Test Step 2.39 (Repeat Count = 1) Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Cu	rrantTima	
	target_Rte_Inst_Ap_VehDyn_2	nentrine	
Rte_Inst_Ap_VehDyn VehDyn PinTrqSV M str.K Uls f32	0.000239999994		
k AutoCntrHiSpdCntrWindow HwDeg f32	43.6620522		
k_AutoCntrHiSpdFilt1Kn Hz f32	0.00200000009		
	0.00200000009		
k_AutoCntrHiSpdFilt2Kn_Hz_f32 k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	448.286377		
	20		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	144.583755		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	0		
k_AutoCntrHiSpdTimer1_mS_u16	41107		
k_AutoCntrHiSpdTimer2_mS_u16			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	62.654911		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	608.513794		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	11.5653687		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	76.64888		
k_AutoCntrHiSpdTimer4_mS_u16	51504		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	91.3417435		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	487.27597 12.8190889		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	254.395218		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32			
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_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	2303132928		
Name	Actual Value	Expected Value	Res
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	
	107.07507	407.07507 + 0.0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	487.27597	487.27597 ± 0.2	

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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	~

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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_CurrentTim	le	
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	0.0049999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0049999989		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	170.210068		
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	9.64343548		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	112.884521		
<_AutoCntrHiSpdTimer1_mS_u16	60000		
c_AutoCntrHiSpdTimer2_mS_u16	42218		
<_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	97.1869812		
C_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	601.888977		
c_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20		
c_AutoCntrHiSpdTimer4VehSpd_kph_f32	166.376648		
c_AutoCntrHiSpdTimer4_mS_u16	57879		
_AutoCntrLoSpdCntrWindow_HwDeg_f32	28.5844917		
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009		
<pre>x_AutoCntrLoSpdFilt2Kn_Hz_f32</pre>	0.00899999961		
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	686.9823		
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.86307621		
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	33.3876343		
<_AutoCntrLoSpdTimer1_mS_u16	10412		
k_AutoCntrLoSpdTimer2_mS_u16	3277		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	1		
SLPHwAuthority Uls f32	0.245399997		
arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
arget Pim MotPosReset.NVMStoredLastPos HwDeg f32	535.927002		
arget Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActive Cnt	lac	
arget Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
arget VehDyn Init1 FaultBFActive Cnt Igc.value	1		
gt_GetSystemTime_mS_u32_CurrentTime	4129141760		
Name	Actual Value	Expected Value	Resu
	601.888977	601.888977 ± 0.2	Rest
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	166.376648	166.376648 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32			
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	
VehDyn_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	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.64343548	9.64343548 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.7771378	75.7771378 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	42218	42218 ± 2	
5.12 J 1.12 tate of 11.11 11.12 11.11 11.12 11.11 11.12 11.11 11.12 11.11 11.12 11.11 11.12 11.11 11.12 11.11			

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VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32

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VehDyn_Init1



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	~

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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	0.000280000007				
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 AutoCntrHiSpdTimer4PinTrg 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 AutoCntrLoSpdTimer1PinTrg HwNm f32	8.17953968				
k AutoCntrLoSpdTimer1VehSpd kph f32	7.39476013				
k AutoCntrLoSpdTimer1 mS u16	16683				
k AutoCntrLoSpdTimer2 mS u16	22497				
k AutoCntrPinTrgLPFCoeffKn Hz f32	0.0344000012				
k SLPEnableBFCheck Cnt lgc					
k SLPHwAuthority Uls f32	0 0.252000004				
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1				
target Pim MotPosReset.NVMStoredLastPos HwDeg f32					
		511.894012			
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_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	target_Pim_MotPosReset				
tgt GetSystemTime mS u32 CurrentTime	2836768512				
		Formanda d Walton	D		
Name	Actual Value	Expected Value	Resul		
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	١.,		
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 15.4148769	70.7165985 ± 0.5 15.4148769 ± 0.04			
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32					





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	~

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Actual Function	Count	Expected Function	Count	Resul
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

Rte_Inst_Ap_VehDyn target_F VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00030 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.04580 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.06300 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.06300 k_AutoCntrHiSpdFilmer1MtrVel_MtrRadpS_f32 283.707 k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 5.88711 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 81.0172 k_AutoCntrHiSpdTimer1_mS_u16 38792 k_AutoCntrHiSpdTimer4_mS_u16 44440 k_AutoCntrHiSpdTimer4WtrVel_MtrRadpS_f32 90.0811 k_AutoCntrHiSpdTimer4WtrVel_MtrRadpS_f32 417.567 k_AutoCntrLiSpdTimer4WtehSpd_kph_f32 224.821 k_AutoCntrLoSpdTimer4WehSpd_kph_f32 224.821 k_AutoCntrLoSpdTimer4_mS_u16 0 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.06300 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.00490 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 84.202 k_AutoCntrLoSpdTimer1PinTq_HwNm_f32 18.0723 k_AutoCntrLoSpdTimer1PinTq_HwNm_f32 18.0723 k_AutoCntrLoSpdTimer1_mS_u16 20774 k_AutoCntrLoSpdTimer1_mS_u16 207	ystemTime_mS_u32_CurrentTime te_Inst_Ap_VehDyn_2 0000014 131 100004 10001 125 105 124 162 163 168 1681 169 169 169 169 169 160 160 160 160 160 160 160 160 160 160	
Rte_Inst_Ap_VehDyn target_F VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00030 k_AutoCntrHiSpdChttWindow_HwDeg_f32 77.1508 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.04580 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.06300 k_AutoCntrHiSpdFilmer1MtrVel_MtrRadpS_f32 283.707 k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 5.88711 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 81.0172 k_AutoCntrHiSpdTimer1_mS_u16 38792 k_AutoCntrHiSpdTimer4_mS_u16 44440 k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 417.567 k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 417.567 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k_AutoCntrLoSpdTimer4PinTrq_HwNm_f32 89.9028 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.06490 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.06300 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 88.4202 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 18.0723 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 18.0723 k_AutoCntrLoSpdTimer1PinTrq_HxPag_f32 0.04580 k_AutoCntrLoSpdTimer1_mS_u16 20774 k_AutoCntrLoSpdTimer1_mS	e_Inst_Ap_VehDyn_2 0000014 031 00004 0001 025 005 024 62 005 86 881 49 99989 0001 026 43 676	
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00030 k_AutoCntrHiSpdCntrWindow_HwDeg_f32 77.1508 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.04580 k_AutoCntrHiSpdFilt2Kn_Hz_f32 0.06300 k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 263.707 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 5.88711 k_AutoCntrHiSpdTimer1PinSpd_kph_f32 81.0172 k_AutoCntrHiSpdTimer1_mS_u16 33792 k_AutoCntrHiSpdTimer4_mS_u16 44440 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 90.0811 k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 417.567 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 224.821 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.0439 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.00499 k_AutoCntrLoSpdFilt2Kn_Hz_f32 0.06300 k_AutoCntrLoSpdTimer1Welbgd_kph_f32 88.4202 k_AutoCntrLoSpdTimer1Welbgd_kph_f32 88.4202 k_AutoCntrLoSpdTimer1Welbgd_kph_f32 88.4202 k_AutoCntrLoSpdTimer1Welbgd_kph_f32 0.04580 k_AutoCntrPinTrq_HPCoeffKn_Hz_f32 0.04580 k_SLPEnableBFCheck_Cnt	000014 331 00004 0001 325 005 24 62 62 68 68 681 49 99989 0001 26 43 76	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32 77.1508 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.04580 k_AutoCntrHiSpdFilt2Kn_Hz_f32 0.06300 k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 263.707 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 5.88711 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 81.0172 k_AutoCntrHiSpdTimer4_ms_u16 38792 k_AutoCntrHiSpdTimer2_ms_u16 44440 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 90.0811 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 417.567 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 224.821 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 89.9028 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.00499 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.00499 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 374.245 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 18.0723 k_AutoCntrLoSpdTimer1Velspd_kph_f32 88.402 k_AutoCntrLoSpdTimer1Velspd_kph_f32 88.402 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 10.04580 k_AutoCntrLoSpdTimer1PinS_u16 5235 k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 0.04580 <td< td=""><td>331 00004 0001 225 005 24 62 62 63 68 881 49 99989 0001 126 143 176</td><td></td></td<>	331 00004 0001 225 005 24 62 62 63 68 881 49 99989 0001 126 143 176	
k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.04580 k_AutoCntrHiSpdFilt2Kn_Hz_f32 0.06300 k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 263.707 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 5.88711 k_AutoCntrHiSpdTimer1VehSpd_kph_f32 81.0172 k_AutoCntrHiSpdTimer1_mS_u16 38792 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 44440 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 417.567 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 417.567 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 224.821 k_AutoCntrLoSpdTimer4_mS_u16 0 k_AutoCntrLoSpdCntrWindow_HwDeg_f32 89.9028 k_AutoCntrLoSpdTimer4_mS_u16 0 k_AutoCntrLoSpdTimer1_HwNm_f32 89.9028 k_AutoCntrLoSpdTimer1_MtrVel_MtrRadpS_f32 0.06300 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 88.4202 k_AutoCntrLoSpdTimer1_mS_u16 5235 k_AutoCntrLoSpdTimer1_mS_u16 5235 k_AutoCntrLoSpdTimer1_mS_u16 5235 k_AutoCntrLoSpdTimer2_mS_u16 0.04580 k_AutoCntrLoSpdTimer1_mS_u16 0.0	0004 0001 125 005 24 62 005 86 181 49 99989 001 126 43	
k_AutoCntrHiSpdFilt2Kn_Hz_f32 0.06300 k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 263.707 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 5.88711 k_AutoCntrHiSpdTimer1_mS_u16 38792 k_AutoCntrHiSpdTimer2_mS_u16 44440 k_AutoCntrHiSpdTimer4_mS_u16 44440 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 90.0811 k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 417.567 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 224.821 k_AutoCntrHiSpdTimer4_mS_u16 0 k_AutoCntrLoSpdTimer4_mS_u16 0 k_AutoCntrLoSpdTimer4_mS_u16 0 k_AutoCntrLoSpdFilt2Kn_Hz_f32 0.00499 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 18.0723 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 18.0723 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 88.4202 k_AutoCntrLoSpdTimer1_mS_u16 5235 k_AutoCntrLoSpdTimer2_mS_u16 27074 k_AutoCntrLoSpdTimer1_mS_u16 27074 k_AutoCntrLoSpdTimer2_mS_u16 27074 k_AutoCntrLoSpdTimer3_mS_u16 27074	001 225 005 224 62 62 605 86 88 81 49 99989 001 26 43	
k_AutoCntrHiSpdTimerIMtrVel_MtrRadpS_f32	225 05 24 62 05 86 81 649 99989 0001 226 43	
k AutoCntrHiSpdTimer1PinTrq_HwNm_f32 5.88711 k AutoCntrHiSpdTimer1VehSpd_kph_f32 81.0172 k AutoCntrHiSpdTimer1_mS_u16 38792 k AutoCntrHiSpdTimer2_mS_u16 44440 k AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 90.0811 k AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 417.567 k AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k AutoCntrHiSpdTimer4VehSpd_kph_f32 224.821 k AutoCntrHiSpdTimer4_mS_u16 0 k AutoCntrLoSpdChtrWindow_HwDeg_f32 89.9028 k AutoCntrLoSpdFilt1Kn_Hz_f32 0.00499 k AutoCntrLoSpdFilt2Kn_Hz_f32 0.06300 k AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 374.245 k AutoCntrLoSpdTimer1PinTrq_HwNm_f32 18.0723 k AutoCntrLoSpdTimer1VehSpd_kph_f32 88.4202 k AutoCntrLoSpdTimer1WehSpd_kph_f32 88.4202 k AutoCntrLoSpdTimer1_mS_u16 5235 k AutoCntrPinTrqLPFCoeffKn_Hz_f32 0.04580 k SLPEnableBFCheck_Cnt_lgc 1 k SLPEnableBFCheck_Cnt_lgc 0 k SLPEnableBFCheck_Cnt_lgc 0 k starget_Fim_MotPosReset.NVMStoredLastPos_HwDeg_f32 487.860 k target_Rte_Inst_Ap_VehDyn_2.Veh	05 24 62 05 86 81 49 199989 1001 26 43	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32 k_AutoCntrHiSpdTimer1_mS_u16 k_AutoCntrHiSpdTimer2_mS_u16 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 k_AutoCntrHiSpdTimer4VehSpd_kph_f32 k_AutoCntrHiSpdTimer4VehSpd_kph_f32 k_AutoCntrHiSpdTimer4VehSpd_kph_f32 k_AutoCntrLoSpdCntrWindow_HwDeg_f32 k_AutoCntrLoSpdCntrWindow_HwDeg_f32 k_AutoCntrLoSpdFilt1Kn_Hz_f32 k_AutoCntrLoSpdFilt2Kn_Hz_f32 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 k_AutoCntrLoSpdTimer1PinTq_HwNm_f32 k_AutoCntrLoSpdTimer1PinS_u16 k_AutoCntrLoSpdTimer1_mS_u16 k_AutoCntrLoSpdTimer2_mS_u16 k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 k_SuPEnableBFCheck_Cnt_lgc k_SuPEnableBFCheck_Cnt_lgc k_SuPHwAuthority_Uls_f32 darget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc darget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc darget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 darget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc darget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset darget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset darget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value darget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value darget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value darget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value darget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value darget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value darget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value darget_VehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32 darget_VehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32 darget_VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 darget_VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 darget_VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 darget_VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 darget_VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 darget_VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	24 62 605 86 881 49 99989 0001 26 43	
k AutoCntrHiSpdTimer1_mS_u16 38792 k AutoCntrHiSpdTimer2_mS_u16 44440 k AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 90.0811 k AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 417.567 k AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k AutoCntrHiSpdTimer4VehSpd_kph_f32 224.821 k AutoCntrLoSpdCntrWindow_HwDeg_f32 89.9028 k AutoCntrLoSpdFilt1Kn_Hz_f32 0.00499 k AutoCntrLoSpdFilt2Kn_Hz_f32 0.06300 k AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 374.245 k AutoCntrLoSpdTimer1PinTrq_HwNm_f32 18.0723 k AutoCntrLoSpdTimer1VehSpd_kph_f32 88.4202 k AutoCntrLoSpdTimer1PinTrq_HwNm_f32 88.4202 k AutoCntrLoSpdTimer1_mS_u16 5235 k AutoCntrLoSpdTimer2_mS_u16 27074 k AutoCntrLoSpdTimer2_mS_u16 0.04580 k SLPEnableBFCheck_Cnt_lgc 1 k SLPEnableBFCheck_Cnt_lgc 1 k SLPEnableBFCheck_Cnt_lgc 0 k starget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc 0 karget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc 1 karget_NehDyn_Init1_FaultBFActive_Cnt_lgc.value 1 target_Veh	62 605 86 81 49 99989 0001 26 43	
k_AutoCntrHiSpdTimer2_mS_u16 444440 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 90.0811 k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 417.567 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k_AutoCntrHiSpdTimer4VehSpd_kph_f32 224.821 k_AutoCntrLoSpdTimer4WehSpd_kph_f32 89.9028 k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.00499 k_AutoCntrLoSpdFilt2Kn_Hz_f32 0.06300 k_AutoCntrLoSpdTimer1NtrVel_MtrRadpS_f32 374.245 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 18.0723 k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 88.4202 k_AutoCntrLoSpdTimer1_mS_u16 5235 k_AutoCntrLoSpdTimer1_mS_u16 5235 k_AutoCntrLoSpdTimer2_mS_u16 27074 k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 0.04580 k_SLPEnableBFCheck_Cnt_lgc 1 k_SLPHwAuthority_Uls_f32 0.25859 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc 0 target_Re_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_Vetaget_	05 86 81 49 99989 001 126 43	
k AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 90.0811 k AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 417.567 k AutoCntrHiSpdTimer4PinTrq_HwNm_f32 13.1425 k AutoCntrHiSpdTimer4VehSpd_kph_f32 224.821 k AutoCntrLoSpdTimer4_mS_u16 0 k AutoCntrLoSpdFilt1Kn_Hz_f32 9.00499 k AutoCntrLoSpdFilt2Kn_Hz_f32 0.06300 k AutoCntrLoSpdTimer1NtrVel_MtrRadpS_f32 374.245 k AutoCntrLoSpdTimer1PinTq_HwNm_f32 18.0723 k AutoCntrLoSpdTimer1PinTq_HwNm_f32 88.4202 k AutoCntrLoSpdTimer1_mS_u16 5235 k AutoCntrLoSpdTimer1_mS_u16 5235 k AutoCntrLoSpdTimer2_mS_u16 27074 k AutoCntrLoSpdTimer2_mS_u16 27074 k AutoCntrDinTrqLPFCoeffKn_Hz_f32 0.04580 k AutoCntrDinTrqLPFCoeffKn_Hz_f32 0.25859 k SLPHableBFCheck_Cnt_lgc 1 k K_SLPHwAuthority_Uls_f32 0.25859 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 487.860 target_Re_Inst_Ap_VehDyn_2.VehDyn_Init1	05 86 81 49 99989 001 126 43	
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k_AutoCntrLoSpdTimer2_mS_u16 27074 k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 0.04580 k_SLPEnableBFCheck_Cnt_lgc 1 k_SLPHwAuthority_Uls_f32 0.25859 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc 0 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 487.860 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_V target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_F target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value 1 tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	0004	
k_AutoCntrPinTrqLPFCoefffKn_Hz_f32 0.04580 k_SLPEnableBFCheck_Cnt_lgc 1 k_SLPHwAuthority_Uls_f32 0.25859 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc 0 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 487.860 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_V target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_F target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value 1 tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	0004	
k_SLPEnableBFCheck_Cnt_lgc 1 k_SLPHwAuthority_Uls_f32 0.25859 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc 0 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 487.860 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_V target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_F target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value 1 tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	0004	
k_SLPHwAuthority_Uls_f32 0.25859 target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc 0 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 487.860 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_Vetarget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value 1 tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc 0 target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 487.860 target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc target_Vetarget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_Ftarget_VehDyn_Init1_FaultBFActive_Cnt_Igc.value 1 tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 487.860 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 2478427 Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 487.860	997	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_VehDyn_Larget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_Ftarget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value 1 tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_F target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value 1 tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	92	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value 1 tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	ehDyn_Init1_FaultBFActive_Cnt_lgc	
tgt_GetSystemTime_mS_u32_CurrentTime 2478427 Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	m_MotPosReset	
Name Actual VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425		
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 417.567 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	648	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 224.821 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	/alue Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 13.1425	05 417.567505 ± 0.2	
7 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	81 224.821381 ± 0.5	
	86 13.1425486 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 90.0811	62 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 2478427		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2478427	2478427648	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 6.28232		





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	~

T				✓
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 0.000319999992 k_AutoCntrHiSpdCntrWindow_HwDeg_f32 3.27935433 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.00499999989 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_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 132.854568 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 2.87444711 k_AutoCntrHiSpdTimer4WehSpd_kph_f32 41.7497711 k_AutoCntrHiSpdTimer4_mS_u16 60000 k_AutoCntrHiSpdTimer4_mS_u16 60000 k_AutoCntrHiSpdCntrWindow_HwDeg_f32 28.4195251	
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 0.00499999989 k_AutoCntrHiSpdFilt2Kn_Hz_f32 0.0020000009 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	
VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000319999992 k_AutoCntrHiSpdCntrWindow_HwDeg_f32 3.27935433 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.00499999989 k_AutoCntrHiSpdFilt2Kn_Hz_f32 0.0020000009 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_AutoCntrHiSpdCntrWindow_HwDeg_f32 3.27935433 k_AutoCntrHiSpdFilt1Kn_Hz_f32 0.00499999989 k_AutoCntrHiSpdFilt2Kn_Hz_f32 0.0020000009 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_AutoCntrHiSpdFilt1Kn_Hz_f32 0.00499999989 k_AutoCntrHiSpdFilt2Kn_Hz_f32 0.0020000009 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_AutoCntrHiSpdFiltzKn_Hz_f32 0.0020000009 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_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_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_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_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_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_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_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 132.854568 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 2.87444711 k_AutoCntrHiSpdTimer4VehSpd_kph_f32 41.7497711 k_AutoCntrHiSpdTimer4_mS_u16 60000	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 2.87444711 k_AutoCntrHiSpdTimer4VehSpd_kph_f32 41.7497711 k_AutoCntrHiSpdTimer4_mS_u16 60000	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32 41.7497711 k_AutoCntrHiSpdTimer4_mS_u16 60000	
k_AutoCntrHiSpdTimer4_mS_u16 60000	
k AutoCntrLoSpdCntrWindow HwDeg f32 28.4195251	
k_AutoCntrLoSpdFilt1Kn_Hz_f32 0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32 0.0020000009	
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_UIs_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_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	Resu
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 132.854568 132.854568 ± 0.2	Resu
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 41.7497711 41.7497711 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 41.7497711 41.7497711 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 95.2508621 95.2508621 ± 0.0625	
VehDyn_AutoChtrDetSpd_M_str.Chtrvviiidow_nwbeg_isz 95.2506621	
VehDyn_AutoChtrDetSpd_M_str.Timer1Thresh_mS_u16 20000 20000 ± 2 VehDyn_AutoChtrDetSpd_M_str.Timer2Thresh_mS_u16 60000	





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	6 •
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	s •
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	6 •
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	

Τ					
Actual Function	Count	Expected Function	Count	Resu	lt
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	0.000339999999		
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_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	3368466432		
Name	Actual Value	Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	661.950806	661.950806 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	111.386475	111.386475 ± 0.5	





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	~

T				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	0.000360000005
k AutoCntrHiSpdCntrWindow HwDeg f32	22.7924805
k AutoCntrHiSpdFilt1Kn Hz f32	0.0250000004
k AutoCntrHiSpdFilt2Kn Hz f32	0.0344000012
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	0
k AutoCntrHiSpdTimer1PinTrg 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 AutoCntrHiSpdTimer4PinTrg 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 AutoCntrLoSpdTimer1PinTrg 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_lgc	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_lgc
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target VehDyn Init1 FaultBFActive Cnt Igc.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	-

T				✓
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
<_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
<_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
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	29.760561
<_AutoCntrLoSpdFilt1Kn_Hz_f32	0.061999999
<_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0350000001
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	11.0084457
c_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.93631697
c_AutoCntrLoSpdTimer1VehSpd_kph_f32	104.043854
<pre>c_AutoCntrLoSpdTimer1_mS_u16</pre>	18398
<pre>c_AutoCntrLoSpdTimer2_mS_u16</pre>	39001
<pre></pre> c_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
SLPEnableBFCheck Cnt Igc	1
<pre>c_SLPHwAuthority_Uls_f32</pre>	0.284999996
target Pim MotPosReset.NVMStoredLastPosValid Cnt lgc	0





Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	391.729004		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_	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	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.FiltPinTrg 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	4884 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	625668608	625668608	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	625668608	625668608	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 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	~

T				V
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	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	0	0	
k_SLPHwAuthority_Uls_f32	0.291599989	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_Igc	target_VehDyn_Init1_FaultBFAct	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	1711664384		
Name	Actual Value	Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	225.86203	225.86203 ± 0.2	•
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	253.171951	253.171951 ± 0.5	•
VehDyn AutoCntrDetSpd M str.FiltPinTrq HwNm f32	17.1959343	17.1959343 ± 0.04	•
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	69.3795242	69.3795242 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	44765	44765 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	45170	45170 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1711664384	1711664384	
VehDyn AutoCntrDetSpd M str.Timer2 mS u32	1711664384	1711664384	
VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.28232956e-005	6.2799998e-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.FiltPinTrg 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	

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

Test Step 2.48 (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	0.000419999997
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

VehDyn_Init1





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 Igc	1		
k SLPHwAuthority Uls f32	0.298200011		
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	343.662994		
target Rte Inst Ap VehDyn 2.VehDyn Init1 FaultBFActive Cnt Igc	target VehDyn Init1 FaultBFActi	ive Cnt lac	
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	- Ttoouit
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	110.432434	110.432434 ± 0.5	-
VehDyn AutoCntrDetSpd M str.FiltPinTrq HwNm f32	13.9586134	13.9586134 ± 0.04	,
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	57.9277039	57.9277039 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	9606	9606 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	40701	40701 ± 2	~
	1568734208	1568734208	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1568734208	1568734208	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32		111111111111111111111111111111111111111	
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	V
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	320.858643	320.858643 ± 0.2	V
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	V
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.4043941	11.4043941 ± 0.04	~
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	64.1327362	64.1327362 ± 0.0625	V
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	~

Τ				✓
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_UIs_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_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	4195077888		
Name	Actual Value	Expected Value	Resul
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	265.609314	265.609314 ± 0.2	٠,
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	٠,
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_AutoCottrLoSpd_M_str.VehSpd_kph_f32	172.141464	172.141464 ± 0.5 5.45036793 ± 0.04	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.45036793		
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_AutoCotrloSpd_M_str.Timer1_mS_u32	4195077888	4195077888	
VehDyn_AutoCotrl_oSpd_M_str.Timer2_mS_u32	4195077888	4195077888	1
VehDyn_AutoCotrl_oSpd_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	

Τ						
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	0.00046000001	
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	





K.AudiochHSQRTimes/HNTqHWM, 122		Input Value		
LAUSCONTHSSpdTimeral willing 152	SpdTimer4MtrVel_MtrRadpS_f32	450.146423		
AutoChristSpdTimed_MS_U18	SpdTimer4PinTrq_HwNm_f32	9.50154114		
*** AutoChrit AspdCnrtWindow _ HvDeg_ f12	SpdTimer4VehSpd_kph_f32	182.573456		
AutoCritic SpdFiltKn, Hz, Fi2	SpdTimer4_mS_u16	7812		
k_AutoCnttLoSpdTimerIMtrVel_MtRadpS_132 560.017944 k_AutoCnttLoSpdTimerIMtrVel_MtRadpS_132 560.017944 k_AutoCnttLoSpdTimerIMtrVel_MtRadpS_132 560.017944 k_AutoCnttLoSpdTimerIMtrVel_MtRadpS_132 184.805145 k_AutoCnttLoSpdTimerI_mS_u16 1043 k_AutoCnttLoSpdTimerI_mS_u16 1044 k_AutoCnttLoSpdTimerI_mS_u16 1044 larget_MolPosResetNVMtStoredLastPos_NtwOp_122 1043 larget_MolPosResetNVMtStoredLastPos_NtwOp_122 1043 larget_MolPosResetNVMtStoredLastPos_NtwOp_122 1044 larget_MolPosReset 1044 larget_MolP	SpdCntrWindow_HwDeg_f32	61.1730156		
K_AutoCnitLoSpdTimerl MIVE_MtrRappS_12	SpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCintLoSpdTimert mkspd_kpt_p132	SpdFilt2Kn_Hz_f32	0.00779999979		
K_AUGORIALOSpdTimer1_mS_u16	SpdTimer1MtrVel_MtrRadpS_f32	560.017944		
k_AutoCntrLoSpdTimer1_mS_u18	SpdTimer1PinTrq_HwNm_f32	3.75256419		
K_AutoCntriusSpdTimer2_mS_u16	SpdTimer1VehSpd_kph_f32	184.805145		
K_SLPPHANLONDIY_UIL_T32	SpdTimer1_mS_u16	10463		
K_SLPEnableBFCheck_Cnt_lgc	SpdTimer2_mS_u16	43013		
S. S. P. P. Murbon Servest N. M. Stored Last Pos Valid Cnt. Igc	TrqLPFCoeffKn_Hz_f32	0.0350000001		
target_Pim_MotiPosReset.NVMStored.astPos.HvDeg_132 295.596985 target_Rim_MotiPosReset.NVMStored.astPos_HvDeg_132 295.596985 target_Rim_Inst_A_VehDyn_2Pim_MotiPosReset target_VehDyn_Init1_FauliBFActive_Cnt_lgc value target_VehDyn_Init1_FauliBFActive_Cnt_lgc-value 1 target_VehDyn_Init1_FauliBFActive_Cnt_lgc-value 4 target_VehDyn_Init1_FauliBFActive_Cnt_lgc-value 4 target_VehDyn_Init1_FauliBFActive_Cnt_lgc-value 4 target_VehDyn_Init1_FauliBFActive_Cnt_lgc-value 4 t	3FCheck_Cnt_lgc	1		
target_Pim_MotPoaReset.NVMStoredt.astPos_HwDeg_f32 target_Rie_Inst_AD_VehDyn_Z.VehDyn_Initf_Faulti8FActive_Cnt_Igc target_Rie_Inst_AD_VehDyn_Z.Pim_MotPoaReset target_Lie_Inst_AD_VehDyn_D.Pim_MotPoaReset target_VehDyn_Initf_Faulti8FActive_Cnt_Igc.value tgt_GetSystemTime_mS_u32_CurrentTime 2339853824 **Name** VehDyn_AutoCntrDetSpd_M_str_MirVel_MtrRadpS_f32 450.146423 450.156423 450.146433 450.146433 450.146433 450.14643 450.146433 450.146433 450.146433 450.146433 450.146433 450.14643 450.14643 450.146433 450.146433 450.146433 450.146433 450.146433 450.1464	ority_Uls_f32	0.311399996		
target_Re_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc target_VehDyn_n.LPm_MotPosReset target_Plm_MotPosReset target_VehDyn_Init1_FaultBFActive_Cnt_lgc_value 1 target_VehDyn_Init1_FaultBFActive_Cnt_lgc_value 1 VehDyn_AutoCntrDetSpd_M_str_MtrVel_MtrRadpS_f32 450.144623 450.144623 ± 0.2 VehDyn_AutoCntrDetSpd_M_str_WehSpd_kph_f32 450.144623 450.144623 ± 0.2 VehDyn_AutoCntrDetSpd_M_str_FiltPinTring_HwNm_f32 9.50154114 9.50154114 ± 0.04 VehDyn_AutoCntrDetSpd_M_str_FiltPinTring_HwNm_f32 49.709528 49.709528 ± 0.0625 VehDyn_AutoCntrDetSpd_M_str_Timer1.msh_mS_u16 8335 8335 ± 2 VehDyn_AutoCntrDetSpd_M_str_Timer1.msh_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_RelHwPosFiltSV_HwDeg_str_K_Uis_f32 9.79990366-005 9.799999666-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHispd_M_str_TimerAps_MS_f32 644.599519 644.599519 ± 0.2 644.599519 ± 0.2 VehDyn_AutoCntrHispd_M_str_TimerAps_mS_u16 8935 8935 ± 0.5 VehDyn_AutoCntrHispd_M_str	otPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Re_Inst_Ap_VenDyn_2.Pim_MotiPosReset target_VehDyn_Init1_FautiBFActive_Cnt_lig.cvalue target_VehDyn_Init1_FautiBFActive_Cnt_lig.cvalue tgt_CestSystemTime_mS_u32_CurrentTime 2339853824 Name Actual Value Expected Value VehDyn_AutoCntrDetSpd_M_str.Wrket_MtrRadpS_f32 450.146423 450.146423 0.2 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 182.573456 182.573456 182.573456 0.5 VehDyn_AutoCntrDetSpd_M_str.FillerinTrq_Hwhm_f32 9.50154114 9.50154114±0.04 VehDyn_AutoCntrDetSpd_M_str.FillerinTrq_Hwhm_f32 49.7095528 49.70955	otPosReset.NVMStoredLastPos_HwDeg_f32	295.596985		
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value 1 Vame Actual Value Expected Value VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 450.146423 450.146423 ± 0.2 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 450.146423 450.146423 ± 0.2 VehDyn_AutoCntrDetSpd_M_str.CirtPintTrq_HwNm_f32 9.50154114 9.50154114 ± 0.04 VehDyn_AutoCntrDetSpd_M_str.CirtRivIndow_HwDeg_f32 49.7095528 49.7095528 ± 0.0625 VehDyn_AutoCntrDetSpd_M_str.TimerTTresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrDetSpd_M_str.TimerTTresh_mS_u16 7812 7812 ± 2 VehDyn_AutoCntrDetSpd_M_str.TimerT_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.TimerT_mS_u32 2339853824 2339853824 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 9.7990036e-005 9.79999968e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.Wirvle_MitrRadpS_f32 664.569519 ± 664.569519 ± 664.569519 ± 60 664.569519 ± 60 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrHiSpd	st_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFA	ctive_Cnt_lgc	
Variety Vari	st_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
Name Actual Value Expected Value 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.FillPinTrq_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.Timer2Thresh_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791386017 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.WehPosFilt2SV_HwDeg_str.K_UIs_f32 9.7999036e-005 9.79999968e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.WehPosFilt2SV_HwDeg_str.K_UIs_f32 228.050003 228 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.Timer1_mTh_f32 12.4867144 12.4867144 ± 0.04 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 8935 8935 ± 2 VehDyn_A	n_Init1_FaultBFActive_Cnt_lgc.value	1		
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 450.146423 450.146423 ± 0.2 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 182.673456 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 49.7095528 ± 0.0625 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 7812 ± 2 7812 ± 2 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 7812 7812 ± 2 2339853824 2339853824 2339853824 2339853824 2339853824 2339853824 24000000000000000000000000000000000000	nTime_mS_u32_CurrentTime	2339853824		
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 ± 0.0625 VehDyn_AutoCntrDetSpd_M_str.Timer1_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_UIs_f32 0.000791370869 0.000791386017 ± 1.25663627181805E-06 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 9.7990036e-005 9.79999968e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kpt_f32 228.050003 228 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.RitPinTrq_HwNm_f32 12.4867144 12.4867144 ± 0.04 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_m		Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 9.50154114 9.50154114 ± 0.04 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 49.7095528 49.7095528 49.7095528 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791386017 ± 1.25663627181805E-06 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 9.7990036e-005 9.7999968e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.WirtPduMtrRadpS_f32 664.569519 664.569519 ± 0.2 VehDyn_AutoCntrHiSpd_M_str.WirtPduMtrRadpS_f32 228.050003 228 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 12.4867144 12.4867144 ± 0.04 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 21.7662468 21.7662468 ± 0.0625 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 </td <td>CntrDetSpd_M_str.MtrVel_MtrRadpS_f32</td> <td>450.146423</td> <td>450.146423 ± 0.2</td> <td>•</td>	CntrDetSpd_M_str.MtrVel_MtrRadpS_f32	450.146423	450.146423 ± 0.2	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 9.50154114 9.50154114 ± 0.04 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 49.7095528 49.7095528 49.7095528 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 7812 7812 ± 2 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791386017 ± 1.25663627181805E-06 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 9.7990036e-005 9.7999968e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.WirtPel_HtrRadpS_f32 664.569519 664.569519 ± 0.2 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 228.050003 228 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.WirtModw_HwDeg_f32 21.7662468 21.7662468 ± 0.0625 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer2_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	CntrDetSpd_M_str.VehSpd_kph_f32	182.573456	182.573456 ± 0.5	•
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_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 9.7990036e-005 9.79999968e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.Wel_MtrRadpS_f32 664.569519 664.569519 ± 0.2 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 228.650003 228 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 12.4867144 12.4867144 ± 0.04 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2339853824 2339853824 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2339853824 2339853824 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrHiSpd_M_str.Ti		9.50154114	9.50154114 ± 0.04	-
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.ReiHwPosFit1SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFit12SV_HwDeg_str.K_UIs_f32 9.7990036e-005 9.7999996e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFit12SV_HwDeg_str.K_UIs_f32 9.7990036e-005 9.7999996e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 228.050003 228 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.FittPinTrq_HwNm_f32 12.4867144 12.4867144 ± 0.04 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.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFitl1SV_HwDeg_str.K_UIs_f32 0.000439703465 0.000	CntrDetSpd_M_str.CntrWindow_HwDeg_f32	49.7095528	49.7095528 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitItISV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitIt2SV_HwDeg_str.K_UIs_f32 9.79900368-005 9.7999968e-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.FittPinTrq_HwNm_f32 12.4867144 12.4867144 ± 0.04 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 8935 8935 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_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.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitItSV_HwDeg_str.	CntrDetSpd_M_str.Timer1Thresh_mS_u16	8935	8935 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 9.7990036e-005 9.79999968e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrLiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.Wivel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoC	CntrDetSpd_M_str.Timer2Thresh_mS_u16	7812	7812 ± 2	~
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.FiltPinTrq_HwNm_f32 12.4867144 12.4867144 ± 0.04 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.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrHiSpd_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 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RitPinTrq_HwNm_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.04 VehDyn_A	CntrDetSpd_M_str.Timer1_mS_u32	2339853824	2339853824	~
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.Timer1Thresh_mS_u16 8935 21.7662468 ± 0.0625 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 53328 53328 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer2_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 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 61.	CntrDetSpd_M_str.Timer2_mS_u32	2339853824	2339853824	~
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.RelHwPosFitISV_HwDeg_str.K_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitISV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.Wtvle_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16<	CntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	~
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_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MitrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	CntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.79999968e-005 ± 1.25663627181805E-06	~
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_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.MtrVel_MtrRadpS_f32	664.569519	664.569519 ± 0.2	~
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_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.VehSpd_kph_f32	228.050003	228 ± 0.5	✓
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_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	OntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.4867144	12.4867144 ± 0.04	~
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_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.CntrWindow_HwDeg_f32	21.7662468	21.7662468 ± 0.0625	•
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_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MitrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.Timer1Thresh_mS_u16	8935	8935 ± 2	•
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2339853824 2339853824 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000439703465 0.000439725991 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.Timer2Thresh_mS_u16	53328	53328 ± 2	•
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 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.Timer1_mS_u32	2339853824	2339853824	•
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.Timer2_mS_u32	2339853824	2339853824	•
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 560.017944 560.017944 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 184.805145 184.805145 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 3.75256419 3.75256419 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrLoSpd_M_str.MtrVel_MtrRadpS_f32	560.017944	560.017944 ± 0.2	~
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 61.1730156 61.1730156 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrLoSpd_M_str.VehSpd_kph_f32	184.805145	184.805145 ± 0.5	~
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 10463 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 ± 2	CntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.75256419	3.75256419 ± 0.04	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43013 43013 ± 2	CntrLoSpd_M_str.CntrWindow_HwDeg_f32	61.1730156	61.1730156 ± 0.0625	~
	CntrLoSpd_M_str.Timer1Thresh_mS_u16	10463	10463 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2339853824 2339853824	CntrLoSpd_M_str.Timer2Thresh_mS_u16	43013	43013 ± 2	~
	CntrLoSpd_M_str.Timer1_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2339853824 2339853824	CntrLoSpd_M_str.Timer2_mS_u32	2339853824	2339853824	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000791370869 0.000791368017 ± 1.25663627181805E-06	CntrLoSpd_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 9.7990036e-005 9.79999968e-005 ± 1.25663627181805E-06	CntrLoSpd_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	rqSV_M_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32 0 0	lwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32 0	-lwPos_HwDeg_M_f32	0	0	~

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

Test Step 2.51 (Repeat Count = 1)		
Name	Input Value	
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	





Auto-Certification of March 1997 1995	Name	Input Value		
AutoCintRipOrtTimert _mgu16	k AutoCntrHiSpdTimer1VehSpd kph f32	•		
AutoChrist(SpriffmestPrinter(MestPrinter		16201		
AutoChristSofTimeXhmSp1.Tim_Hohm.fts2 22131937	k_AutoCntrHiSpdTimer2_mS_u16	54439		
LAUSCHHISSPETIMENE/MISPLE 192 12 1319197	k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1727753		
AutoChriftSpaTimerk*UniSpa*UniSpa*Un	k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	520.135864		
AuthOrticle Sport Filt Fil	k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.4131937		
K.AubContaSpeCintWindow, HwDeg_G2 27 07924288	k_AutoCntrHiSpdTimer4VehSpd_kph_f32	52.6185455		
K.AutSchrickSpdfirmer/Mirch MrFater S. 72	k_AutoCntrHiSpdTimer4_mS_u16	54779		
AutoCartioSpeffinerAmy/AuthFatges_132 9844097	k_AutoCntrLoSpdCntrWindow_HwDeg_f32	27.0724258		
R.AusContLoSeptTimer*IMPrict_PMR192 728800991	k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00200000009		
K_AUDICHI SGRITIMENT PATE Membra	k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961		
K_AutoCnit aSpdTimert \	k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	199.42067		
K_AutoCntrisSpdTimert_mS_u16 18842 18842	k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.28609991		
RAUGORITHOR PCOEMEN, PLC 928 0.0550000017	k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255		
K_SLPEnableBChoke, Crt. Igo Larget, Pim, MoPoReseet, MMStored LasPos/ HuOpg, 132 Larget, Pim, MoPoReseet, MMStored LasPos, HuOpg, 132 Larget, Pim, MoPoReseet, MMStored LasPos, HuOpg, 132 Larget, Rel. Inst. Ap., VehDyn, 2 Pim, MoPoReseet, Dr. Igo Larget, Pim, MoPoReseet, MMStored LasPos, HuOpg, 132 Larget, Rel. Inst. Ap., VehDyn, 2 Pim, MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 Pim, MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 Pim, MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 Pim, MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 Pim, MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Ap., VehDyn, 2 MoPoReseet, Dr. Igo Larget, Rel. Inst. Rel. Inst. Inst. Larget, Dr. Igo Larget, Rel. Inst. Larget, Dr. Igo Larget, MoPoReseet, MoReseet, Dr. Igo Larget, MoPoReseet, Dr. Igo	k_AutoCntrLoSpdTimer1_mS_u16	18002		
K_SLPHwAuthority_Us_152	k_AutoCntrLoSpdTimer2_mS_u16	18842		
Light Physical Broad State Section 2015 Secti	k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0560000017		
target_Pim_MorPosReset.NVMStored.tastPos_HvDeg_f32 27:553995	k_SLPEnableBFCheck_Cnt_lgc	0		
target_Rei_inst_Ap_VehDyn_2VehDyn_init1_FaultBFActive_Cnt_ipc target_Rei_inst_Ap_VehDyn_2VehDyn_init1_FaultBFActive_Cnt_ipc target_VehDyn_init1_FaultBFActive_Cnt_ipc_value t	k_SLPHwAuthority_Uls_f32	0.317999989		
target Rie Inst. Ap. VehDyn. 2 VehDyn. Init! FaultBFActive Cnt. Igc target Rie. Inst. Ap. VehDyn. 2 Pim. MofforSesest target Lynchy Init! FaultBFActive Cnt. Igc value 10, CetSystem Time _mS_u32_ CurrentTime 3524313344 VehDyn. AutoCntriDetSpd_M_str.MitVel_MtrRadpS_i32 520.135864 520.135864 520.135864 5.0.5 52.61854665 52.61854665 52.61854665 52.61854665 52.61854665 52.61854665 52.61854665 52.	target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Nein_Inst_Ap_VeinDyn_1 2Pm_MotiPscReset target_VeinDyn_Initi_FaultBFActive_Cnt_lgcvalue tyr_CelsiysternTime_ms_0u3c_CurrentTime 3524313344 **Name**	target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	271.563995		
target LyehDyn_Init_FaultEPActive_Cnt_Igc.value 1gt_GetSystemTime_mS_u32_currentTime 3524313344 VehDyn_AutoCntrDetSpd_M_str_MtrVet_MirRadpS_f32 52.0 135864 520.135	target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Cnt_lgc		
Securitime	target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
Name Actual Value Expected Value Result VehDyn_AutoCnrtDetSpd_M_str.MirVel_MtrRadpS_f32 520.135864 520.135864 ± 0.2 ✓ VehDyn_AutoCnrtDetSpd_M_str.CntPstSpd_Kph_f32 526.185455 526.185455 ± 0.5 ✓ VehDyn_AutoCnrtDetSpd_M_str.CntPwindow_HwDeg_f32 75.1727753 72.1727753 ± 0.0625 ✓ VehDyn_AutoCnrtDetSpd_M_str.CntPwindow_HwDeg_f32 75.1727753 77.1727753 ± 0.0625 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwDesFitISVS_HwDeg_str.K_UIs_f32 25.1531601±005 2.51000001±005±1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwDesFitISVS_HwDeg_str.K_UIs_f32 97.2561157 572.561157 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwDesFitISVS_HwDeg_str.K_UIs_f32 93.5913 193.532913 ± 0.5 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwDesFitISVS_HwDeg_str.K_UIs_f32 93.54313344 3524313344 ✓ VehDyn	target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 520.135864 520.135864 ± 0.2 ✓ VehDyn_AutoCntrDetSpd_M_str.VehSpd_kpn_f32 52.6185455 52.618545 ± 0.5 ✓ VehDyn_AutoCntrDetSpd_M_str.FiliPinTrq_HwNm_f32 12.4131937 12.4131937 ± 0.04 ✓ VehDyn_AutoCntrDetSpd_M_str.FiliPinTrq_HwNm_f32 75.1727753 75.1727753 ± 0.0625 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 54779 54779 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosefitISV_HwDeg_str.K_Uls_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosefitISV_HwDeg_str.K_Uls_f32 572.561157 572.561157 572.561157 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosefitISV_HwDeg_str.K_Uls_f32 19.5605583 19.5605583 ± 0.0625 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ Veh	tgt_GetSystemTime_mS_u32_CurrentTime	3524313344		
VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 52.0135864 520.135864 ± 0.2 ✓ VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 52.6186455 52.6186455 ± 0.5 ✓ VehDyn_AutoCntrDetSpd_M_str.FiliPinTrq_Hxhm_f32 12.4131937 12.4131937 ± 0.04 ✓ VehDyn_AutoCntrDetSpd_M_str.FiliPinTrq_Hxhm_f32 75.1727753 75.1727753 ± 0.0625 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 54779 54779 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.K_Uls_f32 0.000113070011 0.000113091002± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.MirVel_MtrRadpS_f32 572.561157 572.561157 572.561157 t.0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.PiliPinTq_HwNm_f32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 52.6186455 52.6185455 ± 0.5 ✓ VehDyn_AutoCntrDetSpd_M_str.FillPhTriq_Hwhm_f32 12.4131937 12.4131937 ± 0.04 ✓ VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 75.1727753 75.1727753 ± 0.0625 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 54779 54779 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.RetHwPosFittSV_HwDeg_str.K_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHispd_M_str.RetHwPosFittSV_HwDeg_str.K_UIs_f32 572.561157 572.561157 ± 0.2 ✓ VehDyn_AutoCntrHispd_M_str.Timer1Thresh_mS_12 193.532913 193.532913 ± 0.5 ✓ VehDyn_AutoCntrHispd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrHispd_M_str.Timer1_mS_u32 3524313344 3524313344 3524313344 ✓	VehDvn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	520.135864	•	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 12.4131937 12.4131937 ± 0.04 ✔ VehDyn_AutoCntrDetSpd_M_str.Timer1Trnesh_mS_u16 16201 16201 ± 2 ✔ VehDyn_AutoCntrDetSpd_M_str.Timer1Trnesh_mS_u16 54779 54779 ± 2 ✔ VehDyn_AutoCntrDetSpd_M_str.Timer2Trnesh_mS_u18 54779 54779 ± 2 ✔ VehDyn_AutoCntrDetSpd_M_str.Timer2Trnesh_mS_u22 3524313344 3524313344 ✔ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3524313344 3524313344 ✔ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_Uls_132 0.000113070011 0.000113071001100301002 ± 1.25663627181805E-06 ✔ VehDyn_AutoCntrHiSpd_M_str.Well_MtrRadpS_ft22 193.532913 193.532913 ± 0.5 ✔ VehDyn_AutoCntrHiSpd_M_str.Well_MtrRadpS_ft22 193.532913 193.532913 ± 0.5 ✔ VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_us_16 16201 16201 ± 2 ✔ VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_us_16 14201 16201 ± 2 ✔ VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_us_2 3524313344 3524313344 ✔ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilitSv_HwDeg_str.K_Uls_53 3524313344		52.6185455		~
VehDyn_AutoCntrDetSpd_M_str. CntrWindow_HwDeg_f32 75.1727753 75.1727753 ± 0.0625 ✓ VehDyn_AutoCntrDetSpd_M_str. Timer1Thresh_mS_u16 16201 122 ✓ VehDyn_AutoCntrDetSpd_M_str. Timer1Thresh_mS_u16 54779 54779 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str. Timer1_mS_u32 3524313344 3524313344 3524313344 VehDyn_AutoCntrDetSpd_M_str. RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 572.561157 572.561157 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 193.532913 193.532913 ± 0.5 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 54439 54439 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32		12.4131937	12.4131937 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 54779 54779 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilttSV_HwDeg_str.K_UIs_f32 2.516316016-005 2.51000001e-005 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113001002 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 193.532913 193.532913 ± 0.5 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 19.5605583 19.5605583 ± 0.0625 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mrs_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.K_UIs_f32 0.000703454018 0.000703469977 ± 1.25663627181805E-06 <td></td> <td>75.1727753</td> <td>75.1727753 ± 0.0625</td> <td>✓</td>		75.1727753	75.1727753 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 54779 \$4779 ± 2 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_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.WrVel_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.CntrWindow_HwDeg_f32 193.502913 195.605583 ± 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.Timer2_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.K_Uls_f32 0.00070345018 0.00070346897 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.K_Uls_f32 251831601e-005 2.51000001e-005 ± 1.25663627181805E-06		16201	16201 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFittISV_HwDeg_str.K_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFittISV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFittISV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.MirVel_MtrRadpS_f32 572.561157 572.561157 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.CittPMindow_HwDeg_f32 193.532913 193.532913 ± 0.5 ✓ VehDyn_AutoCntrHiSpd_M_str.CittPMindow_HwDeg_f32 19.5605583 19.5605583 ± 0.0625 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFittSV_HwDeg_str.K_UIs_f32 0.00070345018 0.000703468977 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.WirVel_Mt		54779	54779 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 2.515316016-005 2.510000016-005 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_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.FitPinTrq_HwNm_f32 0 0 0 ± 0.04 ✓ VehDyn_AutoCnttHiSpd_M_str.Timer1_mts_m5_u16 16201 16201 ± 2 ✓ VehDyn_AutoCnttHiSpd_M_str.Timer1_m5_u32 3524313344 3524313344 ✓ VehDyn_AutoCnttHiSpd_M_str.Timer1_m5_u32 3524313344 3524313344 ✓ VehDyn_AutoCnttHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 ✓ VehDyn_AutoCnttLoSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 ✓ VehDyn_AutoCnttLoSpd_M_str.RilPinTa_HwMm_f32 72.8609991 7.28609991		3524313344	3524313344	~
VehDyn_AutoCntrDelSpd_M_str.ReliHwPosFitt2SV_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.NehSpd_kph_f32 193.532913 193.532913 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.FiltPrinrq_HwNm_f32 0 0 ± 0.04 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 16201 18201 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 54439 54439 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 5439 54439 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer1ms_u32 3524313344 3524313344 VehDyn_AutoCntrHiSpd_M_str.Timer1ms_u32 3524313344 3524313344 VehDyn_AutoCntrHiSpd_M_str.ReliHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.ReliHwPosFilt2SV_HwDeg_str.K_Uls_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.PiltPinTrq_HwNm_f32 728609991 728609991 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 72724258 27.0724258 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 18002 18002	VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3524313344	3524313344	•
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 572.561157 572.561157 ± 0.2 ✓ VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 193.532913 193.532913 ± 0.5 ✓ VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 0 0 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 19.5605583 19.5605583 ± 0.0625 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 54439 54439 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 2.51831601e-005 2.51000001e-005 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 255 255 ± 0.5 ✓ VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 7.28609991 7.28609991 ± 0.04 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mFs_uS_u16 18002 18002 ± 2 ✓ VehDyn_AutoCntrLoS	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 193.532913 193.532913 ± 0.5 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 0 0 ± 0.04 VehDyn_AutoCntrHiSpd_M_str.CinttVindow_HwDeg_f32 19.5605583 19.5605583 ± 0.0625 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 16201 16201 ± 2 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_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.RelHwPosFitltSV_HwDeg_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_AutoCntrLiSpd_M_str.RelHwPosFitlt2SV_HwDeg_str.K_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_UIs_f32 255 255 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.PitPinTrq_HwNm_f32 7.28609991 7.28609991 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 7.274258 27.0724258 27.0724258 ± 0.0625 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 18002 18002 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 18842 18842 ± 2 <	VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_AutoCntrHiSpd_M_str. FiltPinTrq_HwNm_f32 0 0 ± 0.04 ✓ VehDyn_AutoCntrHiSpd_M_str. CntrWindow_HwDeg_f32 19.5605583 19.5605583 ± 0.0625 ✓ VehDyn_AutoCntrHiSpd_M_str. Timer1Thresh_mS_u16 16201 16201 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str. Timer1Thresh_mS_u16 54439 54439 ± 2 ✓ VehDyn_AutoCntrHiSpd_M_str. Timer1_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_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 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str. RelHwPosFilt2SV_HwDeg_str. K_Uls_f32 199.42067 199.42067 ± 0.2 ✓ VehDyn_AutoCntrLoSpd_M_str. MtrVel_MtrRadpS_f32 255 255 ± 0.5 ✓ VehDyn_AutoCntrLoSpd_M_str. FiltPinTrq_HwNm_f32 7.28609991 7.28609991 ± 0.04 ✓ VehDyn_AutoCntrLoSpd_M_str. Timer1Thresh_mS_u16 18002 18002 ± 2 ✓ VehDyn_AutoCntrLoSpd_M_str. Timer2Thresh_mS_u16 18842 18842 ± 2 ✓	VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	572.561157	572.561157 ± 0.2	~
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.RelHwPosFiilt15V_HwDeg_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_AutoCntrLiSpd_M_str.RelHwPosFiilt2SV_HwDeg_str.K_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RitrVel_MtrRadpS_f32 199.42067 199.42067 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_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.Timer2_mS_u32 3524313344 3524313344	VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	193.532913	193.532913 ± 0.5	~
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 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3524313344 3524313344 3524313344 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 2.51531601e-0.05 2.5100001e-0.05 ± 1.25663627181805E-06 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitItSV_HwDeg_str.K_UIs_f32 199.42067 199.42067 ± 0.2 ✓ VehDyn_AutoCntrLoSpd_M_str.VelSpd_kph_f32 255 255 ± 0.5 ✓ ✓ VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 7.28609991 7.28609991 ± 0.04 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 18002 18002 ± 2 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3524313344 3524313344 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3524313344 3524313344 ✓	VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	~
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_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.Timer1_mS_u32 3524313344 3524313344 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3524313344 3524313344 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.0	VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	19.5605583	19.5605583 ± 0.0625	~
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3524313344 3524313344 3524313344 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3524313344 3524313344 3524313344 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiitlSV_HwDeg_str.K_Uls_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiitl2SV_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.Timer2_mS_u32 3524313344 3524313344 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3524313344 3524313344 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3524313344 3524313344 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_Uls_f32	VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16201	16201 ± 2	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3524313344 3524313344 \$	VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	54439	54439 ± 2	~
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 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0.317999989 0.317999989 <td>VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32</td> <td>3524313344</td> <td>3524313344</td> <td>~</td>	VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrHSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_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.CntrWindow_HwDeg_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_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_FinTrqSV_M_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3524313344	3524313344	~
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_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000703454018	0.000703468977 ± 1.25663627181805E-06	~
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_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_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_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	199.42067	199.42067 ± 0.2	~
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_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	•
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_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.28609991	7.28609991 ± 0.04	~
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_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_UIs_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	27.0724258	27.0724258 ± 0.0625	~
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_UIs_f32 2.51531601e-005 2.51000001e-005 ± 1.25663627181805E-06 ** VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 ** VehDyn_PinTrqSV_M_str.K_UIs_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 ** VehDyn_SLPHwAuth_UIs_M_f32 0.317999989 0.317999989 **	VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	18002	18002 ± 2	~
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 0.000703454018 0.000703468977 ± 1.25663627181805E-06 ✓ VehDyn_SLPHwAuth_Uls_M_f32 0.317999989 0.317999989 ✓	VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18842	18842 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.RellHwPosFilt1SV_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 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3524313344	3524313344	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0.317999989 0.317999989		3524313344	3524313344	~
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000113070011 0.000113091002 ± 1.25663627181805E-06 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000703454018 0.000703468977 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32 0.317999989 0.317999989	VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32 0.317999989 0.317999989		0.000703454018	0.000703468977 ± 1.25663627181805E-06	~
VehDyn_SLPHwPos_HwDeg_M_f32 271.563995 271.563995		0.317999989	0.317999989	~
	VehDyn_SLPHwPos_HwDeg_M_f32	271.563995	271.563995	~

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

Test Step 2.52 (Repeat Count = 1)		✓
Name	Input Value	
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		
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_Uls_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_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	2108719104		
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	•
· - · -			

tgt_GetSystemTime_mS_u32_CurrentTime	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	~
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	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	✓

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





Test Step 2.53 (Repeat Count = 1)	Innut Value		
Name CatSustantina as 222(CurrentTime)	Input Value	Time a	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Current	i ime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_UIs_f32 k_AutoCntrHiSpdCntrWindow_HwDeq_f32	0.000520000001 47.1172676		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k AutoCntrHiSpdFilt2Kn Hz f32	0.00520000004		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	330.663879		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.0500002		
k AutoCntrHiSpdTimer1VehSpd kph f32	53.6340179		
k_AutoCntrHiSpdTimer1_mS_u16	18436		
k_AutoCntrHiSpdTimer2_mS_u16	56661		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	52.8357315		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	129.583893		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.4654448		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.279709		
k_AutoCntrHiSpdTimer4_mS_u16	46866		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	80.1532669		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00520000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	207.336761		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5891829		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	126.774094		
k_AutoCntrLoSpdTimer1_mS_u16	29601		
k_AutoCntrLoSpdTimer2_mS_u16	17463		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.331200004		
target_Pim_MotPosReset.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_C	int_lgc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value	0 2894938880		
tgt_GetSystemTime_mS_u32_CurrentTime Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	129.583893	129.583893 ± 0.2	Kesuii
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	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2894938880	2894938880	_
	2094930000		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2894938880	2894938880	•
		2894938880 6.53000025e-005 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2894938880		~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2894938880 6.53266907e-005	6.53000025e-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	2894938880 6.53266907e-005 0.000575363636	6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 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	2894938880 6.53266907e-005 0.000575363636 330.663879	6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2	0
VehDyn_AutoCntrDetSpd_M_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	2894938880 6.53266907e-005 0.000575363636 330.663879 53.6340179	6.53000025e-005 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 330.663879 ± 0.2 53.6340179 ± 0.5	0
VehDyn_AutoCntrDetSpd_M_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	2894938880 6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002	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.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	2894938880 6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676	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.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.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2894938880 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 2894938880	0
VehDyn_AutoCntrDetSpd_M_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	2894938880 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 2894938880	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2894938880 6.53266907e-005 0.000575363636 330.663879 53.6340179 14.0500002 47.1172676 18436 56661 2894938880 2894938880 0.000314116478	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 0.000314109988 ± 1.25663627181805E-06	0
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2894938880 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 56661 ± 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	
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Tnresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Tnresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Tnresh_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.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Tnresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Tnresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2894938880 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 6.53266907e-005	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 0.000314109988 ± 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.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.Timer2Thresh_mS_u2 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.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2894938880 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 6.53266907e-005 0.000575363636	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	
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.PiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.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.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_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2894938880 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 6.53266907e-005	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 0.000314109988 ± 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	~



T				V
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_CurrentTim	e	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2 0.000539999979		
VehDyn_PinTrqSV_M_str.K_Uls_f32 k AutoCntrHiSpdCntrWindow HwDeg f32	0.000539999979		
	0.00499999989		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0350000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	106.088676		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 k AutoCntrHiSpdTimer1PinTrg HwNm f32	17.3796749		
	82.7024841		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	53106		
k_AutoCntrHiSpdTimer1_mS_u16	57772		
k_AutoCntrHiSpdTimer2_mS_u16 k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0.382190108		
	40.3323212		
<_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	19.9312115		
<_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 <_AutoCntrHiSpdTimer4VohSpd_kph_f32	251.952911		
<pre><_AutoCntrHiSpdTimer4VehSpd_kph_f32</pre>	14715		
<_AutoCntrHiSpdTimer4_mS_u16 <_AutoCntrHiSpdCntrWindow_HuDog_f23	86.5985413		
<_AutoCntrLoSpdCntrWindow_HwDeg_f32			
<_AutoCntrLoSpdFilt1Kn_Hz_f32 <_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0320999995		
<_AutoCntrLoSpdFilt2Kn_Hz_f32 <_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	267.78949		
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	17.6586285		
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	105.719757		
<_AutoCntrLoSpdTimer1_mS_u16	27170		
k_AutoCntrLoSpdTimer2_mS_u16	21888		
<_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0049999989		
<pre>c_SLPEnableBFCheck_Cnt_lgc</pre>	1		
CSLPHwAuthority_UIs_f32	0.337799996		
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
rarget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	199.464996		
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	2059598336		
tgt_GetSystemTime_mS_u32_CurrentTime		Former et al Walter	
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	40.3323212	40.3323212 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	251.952911	251.952911 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.9312115	19.9312115 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0.382190108	0.382190108 ± 0.0625	
/ehDyn_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	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2059598336	2059598336	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403298996 ± 1.25663627181805E-06	
/ehDyn_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	106.088676	106.088676 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	82.7024841	82.7024841 ± 0.5	
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	17.3796749	17.3796749 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	
		53106 ± 2	
	53106		
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57772	57772 ± 2	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	57772 2059598336	57772 ± 2 2059598336	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	57772 2059598336 2059598336	57772 ± 2 2059598336 2059598336	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32	57772 2059598336 2059598336 6.28232956e-005	57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	57772 2059598336 2059598336 6.28232956e-005 0.000439703465	57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06 0.000439725991 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949	57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06 0.000439725991 ± 1.25663627181805E-06 267.78949 ± 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_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	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757	57772 ± 2 2059598336 2059598336 6.2799998e-005 ± 1.25663627181805E-06 0.000439725991 ± 1.25663627181805E-06 267.78949 ± 0.2 105.719757 ± 0.5	
/ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285	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	
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	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413	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_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	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413 27170	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	
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	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413 27170 21888	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_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.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413 27170	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	
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	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413 27170 21888 2059598336 2059598336	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 2059598336	
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	57772 2059598336 2059598336 6.28232956e-005 0.000439703465 267.78949 105.719757 17.6586285 86.5985413 27170 21888 2059598336	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	~

Τ				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_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_HwDeg_f32	65.5642929		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	172.499313		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	5.32853031		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	198.042679		
k_AutoCntrHiSpdTimer4_mS_u16	37715		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	9.40841103		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	210.980316		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.85037804		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	177.992142		
k_AutoCntrLoSpdTimer1_mS_u16	35868		
k_AutoCntrLoSpdTimer2_mS_u16	19303		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.344399989		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	175.432007		
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	0		
tgt_GetSystemTime_mS_u32_CurrentTime	800969984		
Name		From a set of Malico	
	Actual Value	Expected Value	Resu
	172.499313	172.499313 ± 0.2	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32			
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	172.499313 198.042679	172.499313 ± 0.2	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	172.499313	172.499313 ± 0.2 198.042679 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	172.499313 198.042679 5.32853031 65.5642929	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04	
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	172.499313 198.042679 5.32853031	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	172.499313 198.042679 5.32853031 65.5642929 40735	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	172.499313 198.042679 5.32853031 65.5642929 40735 37715	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984 800969984	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984 800969984	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.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	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984 800969984 0.00106757879 0.000113070011	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984 800969984 0.00106757099 ± 1.25663627181805E-06	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_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	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984 800969984 0.00106757879	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984 800969984 0.00106757099 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 246.491226 ± 0.2	
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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 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.TitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.TitPinTrq_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984 800969984 0.00106757879 0.000113070011 246.491226 14.3564606 15.1210756 100 40735 58883 800969984 800969984	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984 800969984 0.00106757099 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 246.491226 ± 0.2 14.3564606 ± 0.5 15.1210756 ± 0.04 100 ± 0.0625 40735 ± 2 58883 ± 2 800969984 800969984	Resid
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VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NttrVel_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.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.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	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984 800969984 0.00106757879 0.000113070011 246.491226 14.3564606 15.1210756 100 40735 58883 800969984 800969984 0.000113070011 0.000703454018	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984 800969984 0.00106757099 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 246.491226 ± 0.2 14.3564606 ± 0.5 15.1210756 ± 0.04 100 ± 0.0625 40735 ± 2 58883 ± 2 800969984 800969984 0.000113091002 ± 1.25663627181805E-06 0.000703468977 ± 1.25663627181805E-06	Resi
VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984 800969984 0.00106757879 0.000113070011 246.491226 14.3564606 15.1210756 100 40735 58883 800969984 800969984 800969984 0.000113070011 0.000703454018 210.980316	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984 800969984 0.00106757099 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 246.491226 ± 0.2 14.3564606 ± 0.5 15.1210756 ± 0.04 100 ± 0.0625 40735 ± 2 58883 ± 2 800969984 800969984 800969984 0.000113091002 ± 1.25663627181805E-06 0.000703468977 ± 1.25663627181805E-06 210.980316 ± 0.2	Resu
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.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	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984 800969984 0.00106757879 0.000113070011 246.491226 14.3564606 15.1210756 100 40735 58883 800969984 800969984 800969984 0.000113070011 0.000703454018 210.980316 177.992142	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984 800969984 0.00106757099 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 246.491226 ± 0.2 14.3564606 ± 0.5 15.1210756 ± 0.04 100 ± 0.0625 40735 ± 2 58883 ± 2 800969984 800969984 800969984 0.000113091002 ± 1.25663627181805E-06 0.000703468977 ± 1.25663627181805E-06 210.980316 ± 0.2 177.992142 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	172.499313 198.042679 5.32853031 65.5642929 40735 37715 800969984 800969984 0.00106757879 0.000113070011 246.491226 14.3564606 15.1210756 100 40735 58883 800969984 800969984 800969984 0.000113070011 0.000703454018 210.980316 177.992142 5.85037804	172.499313 ± 0.2 198.042679 ± 0.5 5.32853031 ± 0.04 65.5642929 ± 0.0625 40735 ± 2 37715 ± 2 800969984 800969984 0.00106757099 ± 1.25663627181805E-06 0.000113091002 ± 1.25663627181805E-06 246.491226 ± 0.2 14.3564606 ± 0.5 15.1210756 ± 0.04 100 ± 0.0625 40735 ± 2 58883 ± 2 800969984 800969984 800969984 0.000113091002 ± 1.25663627181805E-06 0.000703468977 ± 1.25663627181805E-06 210.980316 ± 0.2 177.992142 ± 0.5 5.85037804 ± 0.04	Resi





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	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

Test Step 2.56 (Repeat Count = 1) Name	Input Value		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_C	urrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	urrentrime	
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		
	138.948975		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	18.4402218		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	145.445251 35319		
k_AutoCntrHiSpdTimer4_mS_u16	54.7292175		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0.00899999961		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32 k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0.0250000004 664.948303		
	14.762373		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 k_AutoCntrLoSpdTimer1VehSpd_kph_f32	45.8468628		
k_AutoCntrLoSpdTimer1 venSpd_kpri_is2 k_AutoCntrLoSpdTimer1 mS_u16	1815		
AutoCntrLoSpdTimer1_ms_u16 AutoCntrLoSpdTimer2_mS_u16	21239		
	0.0250000004		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32			
k_SLPEnableBFCheck_Cnt_lgc	0.351000011		
k_SLPHwAuthority_Uls_f32			
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0 151.399002		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32		iive Cet Inc	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFAct	live_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	569984000	I=	1_
Name	Actual Value	Expected Value	Re
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.FiltPinTrq_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	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	569984000	569984000	
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	
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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	~

Т				V
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

Name	Input Value		
	·	ontTimo	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_Curr	entrime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000600000028		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	37.5070457		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00620000018		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	449.560669		
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.49751949		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	15.1709442		
k_AutoCntrHiSpdTimer1_mS_u16	51065		
k_AutoCntrHiSpdTimer2_mS_u16	0		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	33.4789696		
<_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	684.185608		
<_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.1316996		
<_AutoCntrHiSpdTimer4VehSpd_kph_f32	98.2219086		
<_AutoCntrHiSpdTimer4_mS_u16	3948		
<_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.9530144		
<_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0350000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	686.860413		
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.50215721		
<_AutoCntrLoSpdTimer1VehSpd_kph_f32	108.267075		
<_AutoCntrLoSpdTimer1_mS_u16	19095		
k_AutoCntrLoSpdTimer2_mS_u16	14137		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.357600003		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	127.365997		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target VehDyn Init1 FaultBFActive	e Cnt Igc	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	3351443200		
Name	Actual Value	Expected Value	Res
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	684.185608	684.185608 ± 0.2	Ito
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	98.2219086	98.2219086 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1316996	12.1316996 ± 0.04	
	33.4789696	33.4789696 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32		51065 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51065		
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3948	3948 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3351443200	3351443200	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3351443200	3351443200	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439725991 ± 1.25663627181805E-06	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	449.560669	449.560669 ± 0.2	
/ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	15.1709442	15.1709442 ± 0.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.49751949	7.49751949 ± 0.04	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	37.5070457	37.5070457 ± 0.0625	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51065	51065 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0	0 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3351443200	3351443200	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3351443200	3351443200	





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_UIs_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	~

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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 Curr	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 AutoCntrLoSpdTimer1PinTrg 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_AutoChtr=IITTqLFFCOefikT_riz_132	1			
k_SLPHwAuthority_Uls_f32	0.364199996			
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	0.304199990			
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	103.333			
		- Cut luc		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive	e_cni_igc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.value				
tgt_GetSystemTime_mS_u32_CurrentTime	1358028288		1_	
Name	Actual Value	Expected Value	Res	
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		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.1480331	46.1480331 ± 0.0625		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19981	19981 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	29986	29986 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1358028288	1358028288		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1358028288	1358028288		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 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	~

T				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 Cu	rrentTime	
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_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.56739569		
k AutoCntrHiSpdTimer1VehSpd kph f32	11.313797		
k AutoCntrHiSpdTimer1 mS u16	20825		
k AutoCntrHiSpdTimer2 mS u16	12456		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	91.4300919		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	459.889984		
k AutoCntrHiSpdTimer4PinTrg HwNm f32	18.1788235		
k AutoCntrHiSpdTimer4VehSpd kph f32	195.647476		
k AutoCntrHiSpdTimer4 mS u16	47347		
k AutoCntrLoSpdCntrWindow HwDeg f32	45.5890503		
k AutoCntrLoSpdFilt1Kn Hz f32	0.0250000004		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0670000017		
k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32	195.074249		
k AutoCntrLoSpdTimer1PinTrg HwNm f32	15.5773945		
k AutoCntrLoSpdTimer1VehSpd kph f32	208.55397		
k_AutoCntrLoSpdTimer1_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_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	79.3000031		
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_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216		
Name	Actual Value	Expected Value	Result
VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32	459.889984	459.889984 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	195.647476	195.647476 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1788235	18.1788235 ± 0.04	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	91.4300919	91.4300919 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20825	20825 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	47347	47347 ± 2	
VehDyn AutoCntrDetSpd M str.Timer1 mS u32	1975593216	1975593216	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1975593216	1975593216	

0.000314116478

0.000841617584

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32$

 $VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32$

0.000314109988 ± 1.25663627181805E-06

0.000841591973 ± 1.25663627181805E-06





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	~

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

Test Step 2.60 (Repeat Count = 1) Name	Innest Males			
	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	0.00066000002			
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	0.0060000005			
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_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	910116864			
Name	Actual Value	Expected Value	Resul	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	637.189331	637.189331 ± 0.2	•	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	60.9433594	60.9433594 ± 0.5	•	
VehDyn_AutoCntrDetSpd_M_str.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	~

T				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_3	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		
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_lgc	target_VehDyn_Init1_FaultBFA	Active_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	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	~

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

Test Step 2.62 (Repeat Count = 1)	
Name	Input Value
GetSystemTime mS u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap VehDyn	target Rte Inst Ap VehDyn 2
VehDyn PinTrgSV M str.K Uls f32	0.000699999975
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	99.1655273
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	279.967194
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.9828386
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	86.4936218
k_AutoCntrHiSpdTimer1_mS_u16	49400
k_AutoCntrHiSpdTimer2_mS_u16	1902
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	19.041563
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	179.741653
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.99505949
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	156.046783
k_AutoCntrHiSpdTimer4_mS_u16	48941
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.1003494
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0049999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0089999961
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_lgc	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_lgc
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.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	-

Τ				✓
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
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_lgc	0
k_SLPHwAuthority_Uls_f32	0.397199988
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	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_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	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.FiltPinTrq_HwNm_f32	9.40114307	9.40114307 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.9792366	56.9792366 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	50710	50710 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41475	41475 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4077829376	4077829376	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4077829376	4077829376	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113091002 ± 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	~

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

Test Step 2.64 (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	0.000739999989
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	87.8902435
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.10000001
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	1		
k_SLPHwAuthority_Uls_f32	0.403800011	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_Igc	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.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	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 PinTrgSV 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	-	

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

Test Step 2.65 (Repeat Count = 1)	
Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_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	0.0049999989
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

2014-09-19, 20:40:41+0530

Input Value





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 Igc	1		
target Pim MotPosReset.NVMStoredLastPos HwDeg f32	-64.8980026		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target VehDyn Init1 FaultBFAct	ive Cnt Igc	
target Rte Inst Ap VehDyn 2.Pim MotPosReset	target Pim MotPosReset		
target VehDyn Init1 FaultBFActive Cnt Igc.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	Result
VehDyn_AutoChtrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	
	13.0401011	13.0401011 ± 0.04	J
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32			
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	J
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	Š
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	•
		0.440.400000	-
VehDyn_SLPHwAuth_Uls_M_f32	0.410400003	0.410400003	•

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

Test Step 2.66 (Repeat Count = 1)	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	0.000780000002
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

2014-09-19, 20:40:41+0530

Input Value





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 Igc	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_FaultBFActiv	ve Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	re_em_ige	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336		
		Function Value	Daguit
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	2059598336	2059598336	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_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.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	2059598336	2059598336	-
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2059598336	2059598336	-
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	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	-
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	228.670547	228.670547 ± 0.2	-
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	174.289764	174.289764 ± 0.5	•
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7742443	16.7742443 ± 0.04	-
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.7309608	53.7309608 ± 0.0625	•
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	11413	11413 ± 2	-
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	48604	48604 ± 2	•
VehDyn AutoCntrLoSpd M str.Timer1 mS u32	2059598336	2059598336	•
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	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	0.000113091002 ± 1.25663627181805E-06	•
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.50339508e-006	2.51000006e-006 ± 1.25663627181805E-06	
VehDyn SLPHwAuth Uls M f32	0	0	•
VenDyn_SEFTWAuti_Ois_W_i32			_

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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	0.00079999998	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.5132141	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0350000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0089999961	
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 Igc	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_Igc	target_VehDyn_Init1_FaultBFActive	e Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset	2. 20.	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	800969984		
Name	Actual Value	Expected Value	Result
		· ·	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.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	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_UIs_f32	0.00125586987	0.00125584798 ± 1.25663627181805E-06	
VehDyn SLPHwAuth Uls M f32	0.423599988	0.423599988	-
VehDyn SLPHwPos HwDeg M f32	-112.963997	-112.963997	_

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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	0.00019999995		
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_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_Ig	С	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_Igc.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 SLPHwAuth Uls M f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	-
		!	

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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_Igc	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	2242866176		
Name	Actual Value	Expected Value	Resul
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	•

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	~
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4240	4240 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2242866176	2242866176	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	~
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	•
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.9834061	95.9834061 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532	25532 ± 2	~
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401	27401 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2242866176	2242866176	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2242866176	2242866176	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.2799998e-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	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	~

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





Test Step 2.70 (Repeat Count = 1)	Immut 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	0.00125584798	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.2738266	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	460.901886 8.00629902	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	92.026535	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	92.02033	
k_AutoCntrHiSpdTimer1_mS_u16	4574	
k_AutoCntrHiSpdTimer2_mS_u16	51.3993683	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 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 AutoCntrLoSpdTimer1PinTrg 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 Igc	1	
k_SLPHwAuthority_Uls_f32	0.443399996	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-185.063004	
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	2269150976	
Name	Actual Value Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666 ± 0.2	rtoodii
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32		
venbyn_nateentreetepa_iv_str.venepa_ipn_ioz	103 723984 + 0 5	
	103.723984 ± 0.5 0 0 0 + 0.04	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0 0 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 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	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2 2269150976 2269150976	
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	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2 2269150976 2269150976 2269150976 2269150976	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	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2 2269150976 2269150976 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06	
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	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2 2269150976 2269150976 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 0.000314116478 0.000314109988 ± 1.25663627181805E-06	
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	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2 2269150976 2269150976 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 0.000314116478 0.000314109988 ± 1.25663627181805E-06 460.901886 460.901886 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.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.WtvPd_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 0.000314116478 0.000314109988 ± 1.25663627181805E-06 460.901886 460.901886 ± 0.2 92.026535 92.026535 ± 0.5	
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.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2 2269150976 2269150976 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 460.901886 460.901886 ± 0.2 92.026535 92.026535 ± 0.5 8.00629902 8.00629902 ± 0.04	
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_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 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 0.000314116478 0.000314109988 ± 1.25663627181805E-06 460.901886 460.901886 ± 0.2 92.026535 92.026535 ± 0.5 8.00629902 8.00629902 ± 0.04 7.2738266 7.2738266 ± 0.0625	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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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.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.WelPwPosFilt2SV_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.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Wels_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 51145 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 460.901886 460.901886 ± 0.2 92.026535 92.026535 ± 0.5 8.00629902 8.00629902 ± 0.04 7.2738266 7.2738266 7.2738266 ± 0.0625 16931 16931 ± 2 4574 4574 4574 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 0.000113070011 0.00013091002 ± 1.25663627181805E-06 0.000113070011 0.000113091002 ± 1.25663627181805E-06 581.690918 581.690918 581.690918 ± 0.2 236.401962 236.401962 ± 0.5 6.79465103 6.79465103 ± 0.04 65.2026672 65.2026672 ± 0.0625 46296 46296 ± 2 9393 9393 ± 2 2269150976 2269150976	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.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_u2 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Tim	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 51145 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 460.901886 460.901886 ± 0.2 92.026535 92.026535 ± 0.5 8.00629902 8.00629902 ± 0.04 7.2738266 7.2738266 7.2738266 ± 0.0625 16931 16931 ± 2 4574 4574 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 5269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 581.690918 581.690918 581.690918 ± 0.2 236.401962 236.401962 ± 0.5 6.79465103 6.79465103 ± 0.04 65.2026672 46296 46296 ± 2 9393 9393 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 0.2269150976 2269150976 0.2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06	
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.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.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_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Nelrol_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_H	0 0 ± 0.04 51.3993683 51.3993683 ± 0.0625 16931 16931 ± 2 51145 51145 51145 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 460.901886 460.901886 ± 0.2 92.026535 92.026535 ± 0.5 8.00629902 8.00629902 ± 0.04 7.2738266 7.2738266 7.2738266 ± 0.0625 16931 16931 ± 2 4574 4574 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 0.000113070011 0.000113091002 ± 1.25663627181805E-06 581.690918 581.690918 581.690918 ± 0.2 9393 9393 ± 2 2269150976 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 6.79465103 6.79465103 6.79465103 ± 0.04 65.2026672 46296 46296 ± 2 9393 9393 ± 2 2269150976 0.000113070011 0.000113091002 ± 1.25663627181805E-06 0.000113070011 0.0003141109988 ± 1.25663627181805E-06 0.000314110478 0.0003141109988 ± 1.25663627181805E-06	



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

Test Step 2.71 (Repeat Count = 1)	Input Value		
Name CotSystemTime, mS_u22/CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTi	mo	
GetSystemTime_mS_u32(CurrentTime)		me	
Rte_Inst_Ap_VehDyn VehDyn_PinTrqSV_M_str.K_Uls_f32	target_Rte_Inst_Ap_VehDyn_2 9.99999975e-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		
	0.0250000004		
k_AutoCntrLoSpdFilt1Kn_Hz_f32 k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
	578.046082		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32			
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.1874886 158.773651		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32			
k_AutoCntrLoSpdTimer1_mS_u16	21486 38584		
k_AutoCntrLoSpdTimer2_mS_u16	1111		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.449999988		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-209.095993		
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_lgc.value	0		
tgt_GetSystemTime_mS_u32_CurrentTime	3533260288	1	1_
Name	Actual Value	Expected Value	Resu
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	201.577209	201.577209 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	194.557587	194.557587 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	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	3533260288 3533260288	
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	3533260288 0.000314116478 0.000791370869	3533260288	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3533260288 0.000314116478	3533260288 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 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	3533260288 0.000314116478 0.000791370869	3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 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	3533260288 0.000314116478 0.000791370869 160.17424	3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 1.25663627181805E-06 160.17424 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3533260288 0.000314116478 0.000791370869 160.17424 28.4624329	3533260288 0.000314109988 ± 1.25663627181805E-06 0.000791368017 ± 1.25663627181805E-06 160.17424 ± 0.2 28.4624329 ± 0.5	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	3533260288 0.000314116478 0.000791370869 160.17424 28.4624329 4.19048309	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.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	3533260288 0.000314116478 0.000791370869 160.17424 28.4624329 4.19048309 91.5981827	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	
VehDyn_AutoCntrDetSpd_M_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	3533260288 0.000314116478 0.000791370869 160.17424 28.4624329 4.19048309 91.5981827 20459	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	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.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	3533260288 0.000314116478 0.000791370869 160.17424 28.4624329 4.19048309 91.5981827 20459 4908	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	
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.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	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	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	
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VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_ms_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.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	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	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 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	





Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.000314109988 ± 1.25663627181805E-0	S 🗸
VehDyn_SLPHwAuth_Uls_M_f32	0.44999988	0.449999988	✓
VehDyn SLPHwPos HwDeg M f32	-209.095993	-209.095993	✓

Т					
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_Currer	ntTime	
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		
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	57.2952843		
<_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.56739569		
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	11.313797		
<_AutoCntrHiSpdTimer1_mS_u16	20825		
_AutoCntrHiSpdTimer2_mS_u16	12456		
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	91.4300919		
_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	459.889984		
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.1788235		
_AutoCntrHiSpdTimer4VehSpd_kph_f32	195.647476		
_AutoCntrHiSpdTimer4_mS_u16	47347		
_AutoCntrLoSpdCntrWindow_HwDeg_f32	45.5890503		
z_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004		
z_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0670000017		
:_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.074249		
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5773945		
_AutoCntrLoSpdTimer1VehSpd_kph_f32	208.55397		
_AutoCntrLoSpdTimer1_mS_u16	19617		
_AutoCntrLoSpdTimer2_mS_u16	42138		
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
_SLPEnableBFCheck_Cnt_lgc	1		
_SLPHwAuthority_Uls_f32	0.45660001		
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
	0 -233.128998		
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32		_Cnt_lgc	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	-233.128998	_Cnt_lgc	
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	-233.128998 target_VehDyn_Init1_FaultBFActive_	_Cnt_lgc	
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_ target_Pim_MotPosReset	_Cnt_lgc	
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_ target_Pim_MotPosReset 0	Cnt_lgc Expected Value	Resu
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	-233.128998 target_VehDyn_Init1_FaultBFActive_ target_Pim_MotPosReset 0 0		Resu
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 at_GetSystemTime_mS_u32_CurrentTime Jame Jame	-233.128998 target_VehDyn_Init1_FaultBFActive_ target_Pim_MotPosReset 0 0 Actual Value	Expected Value	Resu
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 ### Jame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_ target_Pim_MotPosReset 0 0 Actual Value 459.889984	Expected Value 459.889984 ± 0.2	Resu
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 at_GetSystemTime_mS_u32_CurrentTime ame cehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 cehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 cehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 cehDyn_AutoCntrDetSpd_M_str.FittPinTrq_HwNm_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5	Resu
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 at_GetSystemTime_mS_u32_CurrentTime Alame	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04	Resu
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 ### Jame ### /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	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625	Resu
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 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2	Resu
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 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2	Resu
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 /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.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0	Resu
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 /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	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0	Resu
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 /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	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06	Resu
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.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06 0.000841591973 ± 1.25663627181805E-06	Resu
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 Vame VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.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	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06 0.000841591973 ± 1.25663627181805E-06 57.2952843 ± 0.2	Resu
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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 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.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06 0.000841591973 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04	Resi
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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 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_u32 VehDyn_AutoCntrDetSpd_M_str.TelHwPosFilt1SV_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.Timer1_hrsh_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.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.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	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 195.074249 ± 0.2	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc larget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 larget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc larget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset larget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value lgt_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.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.SitPinTrq_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.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.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.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_AutoCntrLoSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer3_	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 0.000314116478	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0 0.000314109988 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5	Resu
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.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.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.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_hwS_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.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.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_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.FiltPinTrq_HwNm_f32	-233.128998 target_VehDyn_Init1_FaultBFActive_target_Pim_MotPosReset 0 0 Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 0.000314116478	Expected Value 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.000314109988 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 15.5773945 ± 0.04	

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	_

T				
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_C	urrentTime	
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	0.000199999995		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001		
k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32	595.803711		
k AutoCntrHiSpdTimer1PinTrq HwNm f32	20		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	249.256897		
k_AutoCntrHiSpdTimer1_mS_u16	51762		
k_AutoCntrHiSpdTimer2_mS_u16	1234		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	52.9036674		
k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32	637.189331		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.48333788		
k AutoCntrHiSpdTimer4VehSpd kph f32	60.9433594		
k AutoCntrHiSpdTimer4 mS u16	35091		
k AutoCntrLoSpdCntrWindow HwDeg f32	70.5879364		
k_AutoCntrLoSpdCrittVillidow_riwDeg_i52	0.063000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	112.469505		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	9.19094181		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	138.473877		
k_AutoCntrLoSpdTimer1_mS_u16	45601		
k_AutoCntrLoSpdTimer2_mS_u16	16090		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.463200003		
target_Pim_MotPosReset.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	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	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.FiltPinTrq_HwNm_f32	20	20 ± 0.04	j
VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32			
VehDyn_AutoCntrHiSpd_M_str.Cntrvvindow_HwDeg_t32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	39.9920425	39.9920425 ± 0.0625	Ĭ
, - ,	51762	51762 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1234	1234 ± 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	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	✓





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	~

T			~	
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	0.000679999997		
k AutoCntrHiSpdCntrWindow HwDeg f32	40.3496017		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	40.3496017 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_nutoOntrHiSpdTimer1 mS u16	49799		
k_AutoCntrHiSpdTimer2_mS_u16	1568		
k AutoCntrHiSpdTimer4CntrWindow HwDeg f32	46.9611549		
 	190.477554		
k_AutoCntrHiSpdTimer4MtrVeI_MtrRadpS_f32 k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.47036648		
	178.790085		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32 k_AutoCntrHiSpdTimer4_mS_u16	53632		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	50.4249611		
<_AutoCntrLoSpdFilt1Kn_Hz_f32	0.061999999 0.00779999979		
<_AutoCntrLoSpdFilt2Kn_Hz_f32 <_AutoCntrLoSpdFilt2Kn_Hz_f32			
<_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	114.137932		
<_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	1.6375922		
<_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	1		
k_SLPHwAuthority_Uls_f32	0.469799995		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-281.195007		
rarget_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		
arget_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
gt_GetSystemTime_mS_u32_CurrentTime	1720406272		
Name	Actual Value Expected Value	Res	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	190.477554 ± 0.2		
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	178.790085 ± 0.5		
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.47036648 ± 0.04		
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.9611549 ± 0.0625		
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49799 ± 2		
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53632 ± 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	0.000778794289 0.000778811984 ± 1.25663627181805	E-06	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005 9.79999968e-005 ± 1.25663627181805	E-06	
/ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	31.3933392 ± 0.2		
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	3.91197205 ± 0.5		
/ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.8332462 16.8332462 ± 0.04		
/ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	40.3496017 40.3496017 ± 0.0625		
/ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49799 ± 2		
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1568 ± 2		
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272 1720406272		
VOID 311_7 1010 01101 110 001 11111 011 11111 01 1111 01 1111 1111 1111 1111 1111 1111 1111 1111			

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VehDyn_Init1



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	~

T				✓
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	0.000730000029			
k AutoCntrHiSpdCntrWindow HwDeg f32	99.1655273			
k AutoCntrHiSpdFilt1Kn Hz f32	0.00499999989			
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 AutoCntrHiSpdTimer4PinTrg HwNm f32	0.99505949			
k AutoCntrHiSpdTimer4VehSpd kph f32	156.046783			
k_AutoCntrHiSpdTimer4_mS_u16	48941			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.1003494			
k_AutoCntrLoSpdChitvvindow_nwbeg_i32	0.0049999989			
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	0.00499999969			
k SLPHwAuthority Uls f32	0.476399988			
target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc	1			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-305.227997	at los		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_Ci	nt_igc		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	3494315776			
tgt_GetSystemTime_mS_u32_CurrentTime				
Name	Actual Value	Expected Value	Resul	
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	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-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	٠,	
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		





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	~

Т				•
Actual Function	Count	Expected Function	Count	Resul
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	•

Name GetSystemTime_mS_u32(CurrentTime) Rte_Inst_Ap_VehDyn /ehDyn_PinTrqSV_M_str.K_UIs_f32 :_AutoCntrHiSpdCntrWindow_HwDeg_f32 :_AutoCntrHiSpdFilt1Kn_Hz_f32 :_AutoCntrHiSpdFilt2Kn_Hz_f32 :_AutoCntrHiSpdFilt2Kn_Hz_f32 :_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 :_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	Input Value tgt_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_2 0.0007699999984 64.989418 0.00520000001 0.063000001 144.154984 11,458559	
Rte_Inst_Ap_VehDyn /ehDyn_PinTrqSV_M_str.K_Uls_f32 :_AutoCntrHiSpdCntrWindow_HwDeg_f32 :_AutoCntrHiSpdFilt1Kn_Hz_f32 :_AutoCntrHiSpdFilt2Kn_Hz_f32 :_AutoCntrHiSpdTilt2Kn_Hz_f32 :_AutoCntrHiSpdTilmer1MtrVel_MtrRadpS_f32 :_AutoCntrHiSpdTilmer1PinTrq_HwNm_f32	target_Rte_Inst_Ap_VehDyn_2 0.000769999984 64.989418 0.00520000001 0.063000001 144.154984	
/ehDyn_PinTrqSV_M_str.K_UIs_f32 {_AutoCntrHiSpdCntrWindow_HwDeg_f32 {_AutoCntrHiSpdFilt1Kn_Hz_f32 {_AutoCntrHiSpdFilt2Kn_Hz_f32 {_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 {_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0.000769999984 64.989418 0.00520000001 0.063000001 144.154984	
_AutoCntrHiSpdCntrWindow_HwDeg_f32 _AutoCntrHiSpdFilt1Kn_Hz_f32 _AutoCntrHiSpdFilt2Kn_Hz_f32 _AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 _AutoCntrHiSpdTimer1PinTrq_HwNm_f32	64.989418 0.00520000001 0.063000001 144.154984	
AutoCntrHiSpdFilt1Kn_Hz_f32 :_AutoCntrHiSpdFilt2Kn_Hz_f32 :_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 :_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0.00520000001 0.063000001 144.154984	
	0.063000001 144.154984	
	144.154984	
 AutoCntrHiSpdTimer1PinTrq_HwNm_f32		
	11 458559	
	11.10000	
x_AutoCntrHiSpdTimer1VehSpd_kph_f32	55.1080475	
:_AutoCntrHiSpdTimer1_mS_u16	50710	
:_AutoCntrHiSpdTimer2_mS_u16	2236	
:_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	56.9792366	
:_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	540.500305	
:_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.40114307	
:_AutoCntrHiSpdTimer4VehSpd_kph_f32	47.8860626	
:_AutoCntrHiSpdTimer4_mS_u16	41475	
:_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.4522934	
:_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
z_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012	
:_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	287.461334	
x_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.12687922	
x_AutoCntrLoSpdTimer1VehSpd_kph_f32	58.312088	
x_AutoCntrLoSpdTimer1_mS_u16	49661	
x_AutoCntrLoSpdTimer2_mS_u16	59445	
x_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001	
x_SLPEnableBFCheck_Cnt_lgc	1	
x_SLPHwAuthority_Uls_f32	0.48300001	
arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-329.260986	
arget_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFActive_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	463842816	
Name	Actual Value Expected Value	Resu
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	540.500305 540.500305 ± 0.2	'
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	47.8860626 ± 0.5	
/ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.40114307 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.9792366 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	50710 50710 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41475 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816 463842816	
/ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	463842816 463842816	
/ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011 0.000113091002 ± 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	~
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	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	~
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

T			✓	
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		
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 Igc	target VehDyn Init1 FaultBFActiv	ve Cnt Igc	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset		
target VehDyn Init1 FaultBFActive Cnt Igc.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	Resul
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.Cntrvvindow_nwbeg_is2 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42690	23.6170319 ± 0.0625 42690 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34733	34733 ± 2	

2014-09-19, 20:40:41+0530

VehDyn_Init1



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	~

Actual FunctL	VehDyn PiR	1

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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	~

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

Test Step 2.79 (Repeat Count = 1)	en e
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_Igc.value	1

2014-09-19, 20:40:41+0530



Actual Function

GetSystemTime_mS_u32



Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758333	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 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
/ehDyn_PinTrqSV_M_str.K_Uls_f32	0.00092999998
x_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.5132141
:_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009
_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961
<_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	39.0381813
_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.52265358
<_AutoCntrHiSpdTimer1VehSpd_kph_f32	232.692337
<_AutoCntrHiSpdTimer1_mS_u16	38590
:_AutoCntrHiSpdTimer2_mS_u16	3572
_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.39439726
x_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	400.168243
_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.648386
_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.4615631
:_AutoCntrHiSpdTimer4_mS_u16	37023
x_AutoCntrLoSpdCntrWindow_HwDeg_f32	62.1222305
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009
_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	443.858398
_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.18688083
:_AutoCntrLoSpdTimer1VehSpd_kph_f32	226.96962
:_AutoCntrLoSpdTimer1_mS_u16	54120
:_AutoCntrLoSpdTimer2_mS_u16	46193
_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009
<_SLPEnableBFCheck_Cnt_lgc	1
s_SLPHwAuthority_Uls_f32	0.50940001

1

Count Expected Function

GetSystemTime_mS_u32

 $target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc$

Count Result





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	_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	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.FiltPinTrq_HwNm_f32	19.648386	19.648386 ± 0.04	•
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.39439726	5.39439726 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	37023	37023 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	-
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4243378688	4243378688	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757099 ± 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	

T				V
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_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	4164171008		
Name	Actual Value	Expected Value	Resul
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	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	٠,
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.FiltPinTrg 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	

T				✓
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	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00980000012
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	80.0510254
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.94539928
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	124.186646
k_AutoCntrHiSpdTimer1_mS_u16	42690
k_AutoCntrHiSpdTimer2_mS_u16	2570
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	23.8170319
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





Name	Input Value		
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_lgc	1		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-665.723022		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_Igc	target_VehDyn_Init1_FaultBFAc	ctive_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	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.FiltPinTrq HwNm f32	8.94539928	8.94539928 ± 0.04	_
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	87.8902435	87.8902435 ± 0.0625	~
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	42690	42690 ± 2	
VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16	2570	2570 ± 2	~
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	437658624	437658624	
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	437658624	437658624	-
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	,
VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000123143196	0.2799996e-003 ± 1.25663627181805E-06	~
, , , , , , , , , , , , , , , , , , , ,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		,
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	289.349548	289.349548 ± 0.2	V
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	V
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	55884	55884 ± 2	V
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	437658624	437658624	*
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	437658624	437658624	V
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	6.28232956e-005	6.2799998e-005 ± 1.25663627181805E-06	~
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	~

Т					
Actual Function	Count	Expected Function	Count	Result	
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_Uls_f32	0.000199999995
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

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Input Value





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 AutoCntrLoSpdTimer1PinTrq HwNm f32	6.55805016		
k AutoCntrLoSpdTimer1VehSpd kph f32	125.396591		
k AutoCntrLoSpdTimer1 mS u16	36412		
k_AutoCntrLoSpdTimer2_mS_u16	14998		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.0250000004		
k SLPEnableBFCheck Cnt Igc	0		
k SLPHwAuthority Uls 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_FaultBFActiv	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	3941357312		
		Funcated Value	Daguil
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	•
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	-
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	•
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	-
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	•
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3941357312	3941357312	•
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368017 ± 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	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	0.582000017	0.582000017	•

T ✓					
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 AutoCntrLoSpdTimer1PinTrg HwNm f32	16.7742443		
k AutoCntrLoSpdTimer1VehSpd kph f32	174.289764		
k AutoCntrLoSpdTimer1 mS u16	11413		
k AutoCntrLoSpdTimer2 mS u16	48604		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.063000001		
k SLPEnableBFCheck Cnt Igc	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_lgc	target_VehDyn_Init1_FaultBFActive	e Cnt lac	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target Pim MotPosReset	C_O.I90	
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
	3304439296		
tgt_GetSystemTime_mS_u32_CurrentTime		I=	1
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_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	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	_
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	
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	•
	11413	11413 ± 2	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	48604	48604 ± 2	
, = - = = = =	3304439296		
VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32		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_UIs_f32	0.000791370869	0.000791368017 ± 1.25663627181805E-06	
VehDyn_SLPHwAuth_Uls_M_f32	0	0	•
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

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Actual Function	Count	Expected Function	Count	Result
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_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 AutoCntrLoSpdTimer1PinTrg HwNm f32	3.18688083		
k AutoCntrLoSpdTimer1VehSpd kph f32	226.96962		
k AutoCntrLoSpdTimer1 mS u16	54120		
k AutoCntrLoSpdTimer2 mS u16	46193		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.595200002		
target Pim MotPosReset.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_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	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.Timer1_m5_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	~
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	39.0381813	39.0381813 ± 0.2	-
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	232.692337	232.692337 ± 0.5	•
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.52265358	5.52265358 ± 0.04	-
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.5132141	77.5132141 ± 0.0625	~
VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16	38590	38590 ± 2	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3572	3572 ± 2	~
VehDyn AutoCntrHiSpd M str.Timer1 mS u32	2167769344	2167769344	-
VehDyn AutoCntrHiSpd M str.Timer2 mS u32	2167769344	2167769344	~
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51000001e-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	~
		2167769344	
VehDyn_AutoCntrl.oSpd_M_str.Timer1_mS_u32	2167769344 2167769344	2167769344	~
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 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_StPHwAuth_Uls_M_f32	0.595200002	0.595200002	~
	1600		
VehDyn_SLPHwPos_HwDeg_M_f32	1000	1600	

T				✓
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	





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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_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	3714197504		
Name	Actual Value	Expected Value	Resul
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	•
Valabora Auto Onto Dato at Martin Time and Three day and a	20000	20000 + 2	

tgt_GetSystemTime_mS_u32_CurrentTime	3714197504		
Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	84.2065811	84.2065811 ± 0.2	~
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	119.126099	119.126099 ± 0.5	~
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.3837309	15.3837309 ± 0.04	~
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	55.9956245	55.9956245 ± 0.0625	~
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	6114	6114 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	32226	32226 ± 2	~
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3714197504	3714197504	~
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76701355e-005	3.76999997e-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	~

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

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VehDyn_Init1

Test Step 2.87 (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	0.000280000007
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	



Т				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	0.000300000014		
AutoCntrHiSpdCntrWindow HwDeg f32	7.2738266		
AutoCntrHiSpdFilt1Kn Hz f32	0.0458000004		
<tautocntrhispdfilt2kn_hz_f32< td=""><td colspan="3">0.0436000004</td></tautocntrhispdfilt2kn_hz_f32<>	0.0436000004		
<pre>c_autoCntrHiSpdTimer1MtrVel_MtrRadpS_f32</pre>	460.901886		
AutoCntrHiSpdTimer1PinTrg HwNm f32	8.00629902		
<pre>c_autoCntrHiSpdTimer1VehSpd_kph_f32</pre>	92.026535		
<pre>c_AutoCntrHiSpdTimer1_mS_u16</pre>	16931		
: AutoCntrHiSpdTimer2 mS u16	4574		
: AutoCntrHiSpdTimer4CntrWindow HwDeg f32	51.3993683		
	119.134666		
AutoCntrHiSpdTimer4PinTrg HwNm f32	0		
AutoCntrHiSpdTimer4VehSpd_kph_f32	103.723984		
	51145		
 _AutoCntrLoSpdCntrWindow_HwDeg_f32	65.2026672		
_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
	0.0250000004		
_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	581.690918		
AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.79465103		
AutoCntrLoSpdTimer1VehSpd kph f32	236.401962		
AutoCntrLoSpdTimer1 mS u16	46296		
AutoCntrLoSpdTimer2_mS_u16	9393		
 _AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0458000004		
SLPEnableBFCheck Cnt Igc	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_lg	c	
arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Init1_FaultBFActive_Cnt_lgc.value	1		
ggt_GetSystemTime_mS_u32_CurrentTime	71426560		
Name	Actual Value	Expected Value	Res
/ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666	119.134666 ± 0.2	
/ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	103.723984	103.723984 ± 0.5	
, = , = , = , = , = ,			
/ehDvn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32	0	0 ± 0.04	
		0 ± 0.04 51.3993683 ± 0.0625	
ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.3993683	51.3993683 ± 0.0625	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51.3993683 16931	51.3993683 ± 0.0625 16931 ± 2	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51.3993683 16931 51145	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2	
/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	51.3993683 16931 51145 71426560	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560	
/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	51.3993683 16931 51145	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2	
/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	51.3993683 16931 51145 71426560 71426560 0.000113070011	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113091002 ± 1.25663627181805E-06	
/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	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06	
/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	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2	
/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 /ehDyn_AutoCntrHiSpd_M_str.NetrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5	
/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 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113091002 ± 1.25663627181805E-06 0.000314109988 ± 1.25663627181805E-06 460.901886 ± 0.2 92.026535 ± 0.5 8.00629902 ± 0.04	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 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	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 7.000113091002 ± 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	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 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	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 7.000113091002 ± 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	
/ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 0.000113091002 ± 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 71426560	
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/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_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.NelFiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 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 71426560 71426560 0.000575373997 ± 1.25663627181805E-06 0.000791368017 ± 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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/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.RelHwPosFit1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFit12SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FitlPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1tSV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1tSV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1tSV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SP_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.FitPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.FitPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 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 71426560 0.000575373997 ± 1.25663627181805E-06 0.000575373997 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 71426560	
/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.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFitl1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.NttrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FittPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	51.3993683 16931 51145 71426560 71426560 0.000113070011 0.000314116478 460.901886 92.026535 8.00629902 7.2738266 16931 4574 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393	51.3993683 ± 0.0625 16931 ± 2 51145 ± 2 71426560 71426560 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 71426560 71426560 0.000575373997 ± 1.25663627181805E-06 0.000791368017 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2	

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Name	Actual Value	Expected Value	Result
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	~

Τ			V	
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		
k AutoCntrLoSpdTimer2 mS u16	60000		
k AutoCntrPinTrqLPFCoeffKn Hz f32	0.100000001		
k SLPEnableBFCheck Cnt lgc	1		
	1		
k_SLPHwAuthority_Uls_f32	1		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Init1_FaultBFActive_Cnt_lgc	target_VehDyn_Init1_FaultBFActive_Cnt_Ig		
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	Resul
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	-





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	~

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

Name	Input Value	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	9.99999975e-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_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	1720406272		
Name	Actual Value	Expected Value	Resul
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	
VehDyn AutoCntrDetSpd M str.VehSpd kph f32	69.9332428	69.9332428 ± 0.5	
VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32	18.6059322	18.6059322 ± 0.04	•
VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32	47.1357269	47.1357269 ± 0.0625	
VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16	19956	19956 ± 2	
VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16	47307	47307 ± 2	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	





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	~

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

2014-09-19, 20:49:58+0530

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 -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
/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
	Opinization 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	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src

2014-09-19, 20:49:58+0530

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_ps.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:

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

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	✓

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

Test Step 1.2 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.291999996		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_F	lwDeg_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	~

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



Test 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_	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	✓

Т					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~	

Test Step 2.2 (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_	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	1			
Name	Actual Value	Expected Value	Result	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	~	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	~	

T ·					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~	

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

2014-09-19, 20:49:58+0530



VehDyn_Trns1

Name	Input Value		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.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	•

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

Test Step 2.4 (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_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	0.976800025		
Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	-
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	✓

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

Test Step 2.5 (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	~

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

Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_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	•

				✓
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	~

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

Test Step 2.8 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_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	~

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

Test Step 2.9 (Repeat Count = 1)			_
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0.328000009		
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	-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	~

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



Test Step 2.10 (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	~

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

Test Step 2.11 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	0		
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	-

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

Test Step 2.12 (Repeat Count = 1)			×
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	1		
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	-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	-

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~

Test Step 2.13 (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_HandwheelPosition	n_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	~

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

Test Case 3: Path Test

Specification

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

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_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	~

T v					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	~	

Test Step 3.2 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_UIs_f32	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_UIs_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	. 4

$ ilde{ au}$					
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	~	